



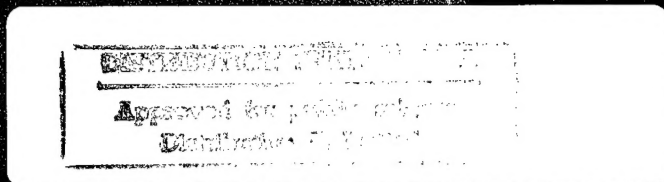
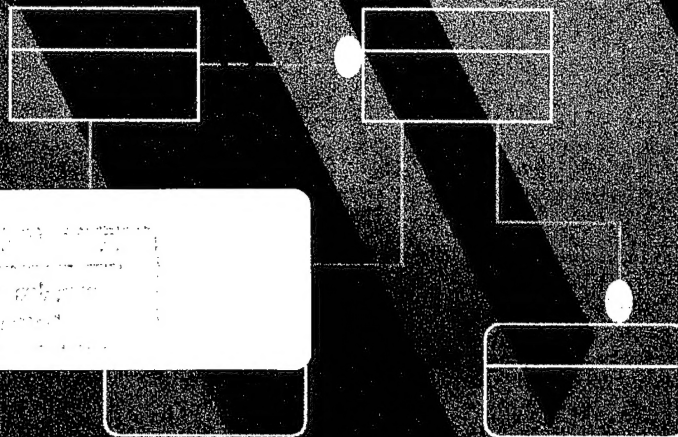
# Department of Defense Data Model

VERSION 1

FY 1999

Volume 5

30 November 1998



19990203 007

Defense Information Systems Agency

*FAX TO: Jeanette Kingery 767-9089 (V: 767-9090)*  
attention MS. Pat Mawby 767-8019

DTIC form SF 298

1. Agency: leave blank
2. Report Date: 01/29/1999
3. Report Type and Dates Covered:  
Final for dates through 30 Nov 1998
4. Title and Subtitle:

**DOD Data Model Version 1-99 Volume 1**

Executive Summary

Introduction

SECTION 1: Entity To View To Subject Area Cross Reference Sorted  
By Entity.

SECTION 2: Entity To View To Subject Area Cross Reference Sorted  
By View.

**DOD Data Model Version 1-99 Volume 2**

SECTION 3: Subject Area Views and IDEF1x Data Maps

SECTION 3.1 ACCOUNTING

SECTION 3.2 ACTION

SECTION 3.3 AGREEMENT

SECTION 3.4 CAPABILITY

SECTION 3.5 DOCUMENT

SECTION 3.6 ELECTROMAGNETIC ENVIRONMENT

SECTION 3.7 EVALUATION

**DOD Data Model Version 1-99 Volume 3**

SECTION 3.8 FACILITY

SECTION 3.9 FEATURE

SECTION 3.10 FUND

SECTION 3.11 GUIDANCE

SECTION 3.12 HOLDING ESTIMATE

SECTION 3.13 INFORMATION MANAGEMENT

SECTION 3.14 LOCATION

**DOD Data Model Version 1-99 Volume 4**

SECTION 3.15 MATERIEL

SECTION 3.16 ORGANIZATION

**DOD Data Model Version 1-99 Volume 5**

SECTION 3.17 PERSON

SECTION 3.18 PLAN

SECTION 3.19 SITUATION

SECTION 3.20 TRANSPORTATION

*1 of 3*

DTIC QUALITY INSPECTED 4

SECTION 4: External Interface Standards  
**DOD Data Model Version 1-99 Volume 6**  
 SECTION 5: Entity Report  
**DOD Data Model Version 1-99 Volume 7**  
 SECTION 6: Attribute Report  
**DOD Data Model Version 1-99 Volume 8**  
 SECTION 7: Entity Relationship Report.  
 SECTION 8: DoD Data Model Enhancements Report.  
 SECTION 9: Functional Area Using Model Report  
 Appendix A. IDEF1x Modeling Conventions.  
 Appendix B. Acronyms  
 Appendix C. Reference Documents  
 Appendix D. Obtaining a Softcopy and Hardcopy availability of the  
 DOD Data Model

5. Funding Numbers: C
6. Authors: Ken Fagan  
Harumi Florence  
Jim Holt  
Ali Nikolai  
Josette Whitfield  
Sandra Fletcher  
Hung Nguyen  
Harvey Hough  
Irene Chudny  
Sungyul Lee
7. Performing Org: DISA Center for Standards
8. Performing Org Report Number: DDM 1-99
9. Sponsoring Agency:  
DISA Data Administration Department  
10701 Parkridge Boulevard  
Reston, Virginia 20191
10. Report Number: N/A
11. Supplemental Notes:  
This report supercedes the 1-98 Version of the DOD Data Model (DDM)
12. Distribution: Unlimited
13. Abstract:

2 of 3

The DOD Data Model is an integrated view of data requirements for the Functional Areas and Components in the Department of Defense (DOD). It represents, in accordance with the DOD Data Administration 8320 series standards, a view of each data requirement.

Standard data items are represented as entities (prime words), attributes (data elements), and relationships. These objects are represented in graphical format on entity relationship diagrams (Volumes 2-5). The details of these objects are found in the entity report (Volume 6), the attribute report (Volume 7). Enhancements since the 1-98 DDM are located in Volume 8.

Version 1-99 of the DOD Data Model represents the first update in fiscal year 1999 with a cut-off date of 30 Nov 1998 for all DOD Data Dictionary System (DDDS) information.

The DOD Data Model is an integrated view of logical data models from the functional areas.

- 14. Subject Terms:  
Data Model, IDEF1x, DOD, Subject Areas, Data Maps
- 15. Number of Pages: 1400
- 16. Price Code: na
- 17-19. Classification: Unclassified
- 20. Limitation of Abstract: Unlimited

3 of 3



# Section 3.17

## Person

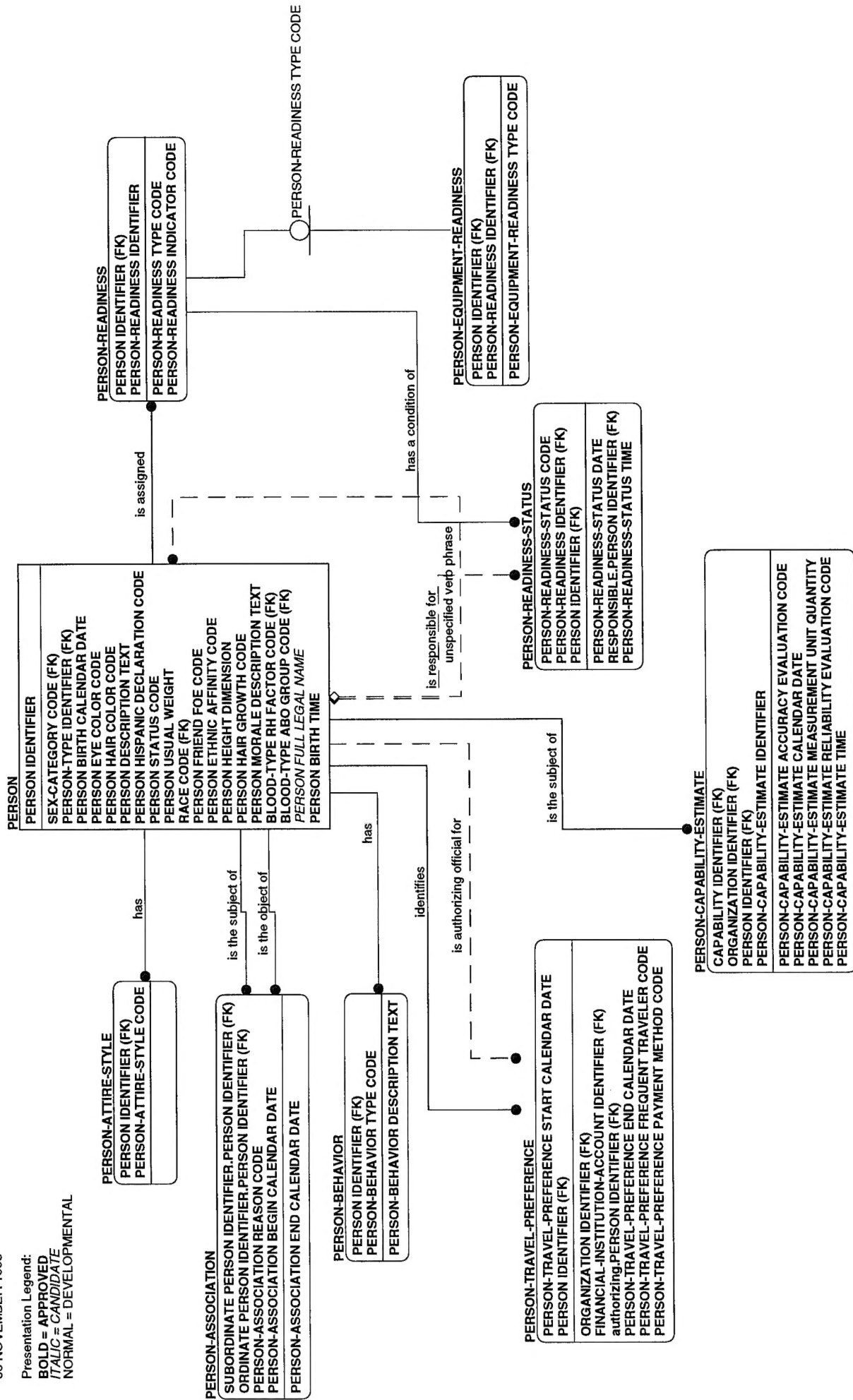
## Section 3.17 Person Subject Area

**Purpose:** The PERSON Subject Area View includes all data about PERSONs of interest to the DoD, knowledge about who is essential to the achievement of the DoD mission. It includes data on military and civilian PERSONs, including actual or potential friends and foes to the U.S.

**Note:** The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

PE-01

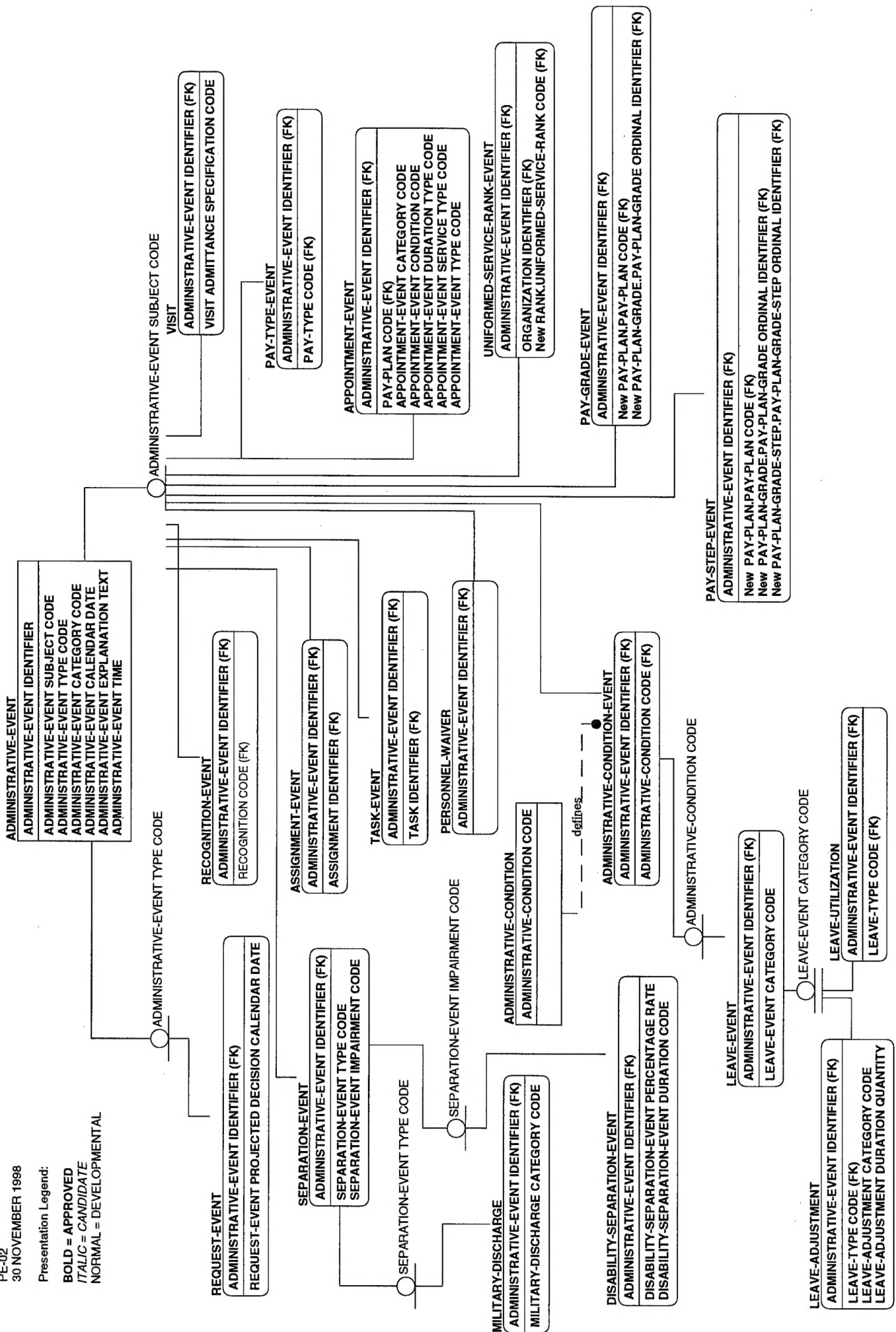
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-02

### Presentation Legend:

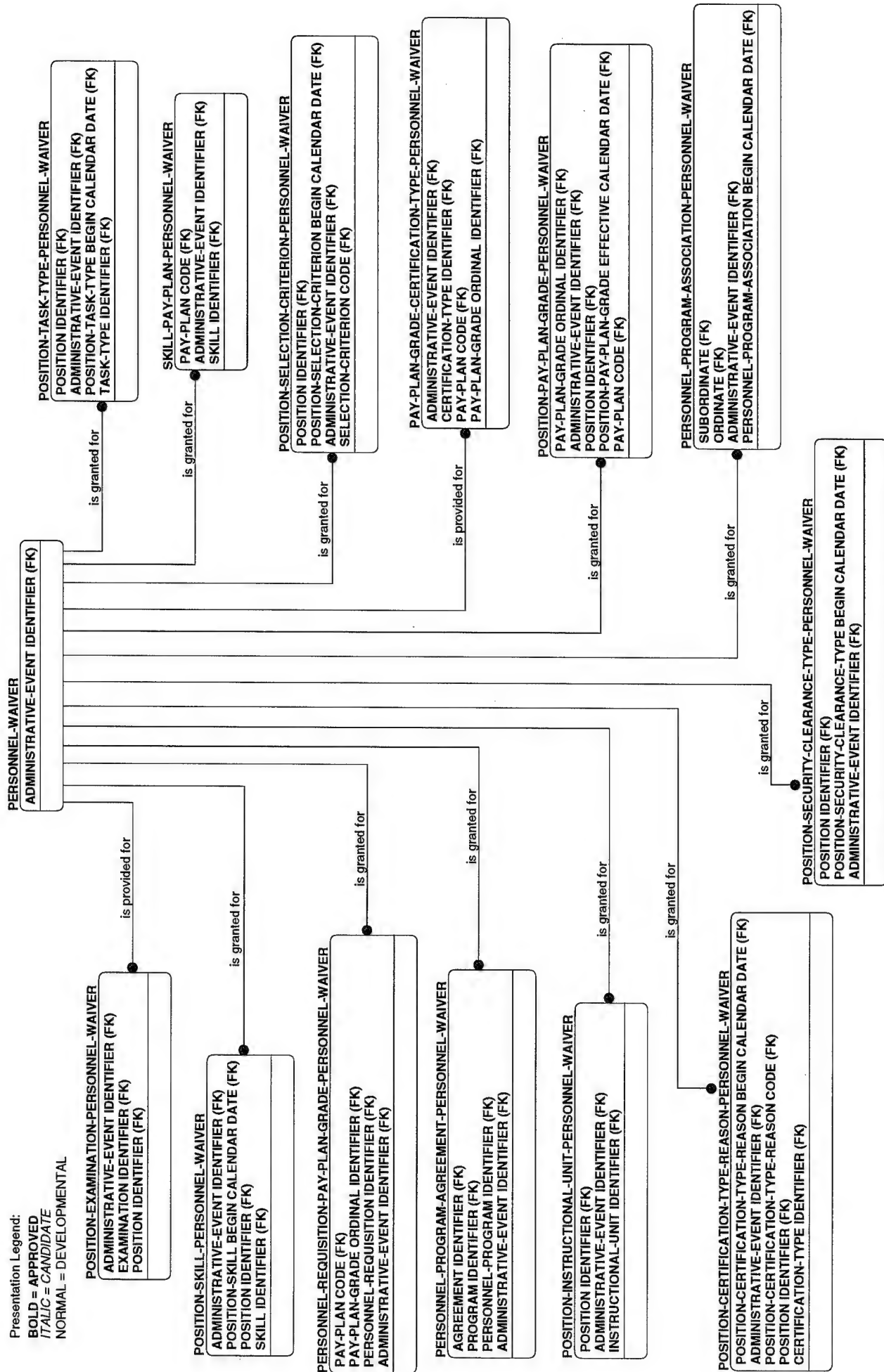
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOP





PE-03

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL



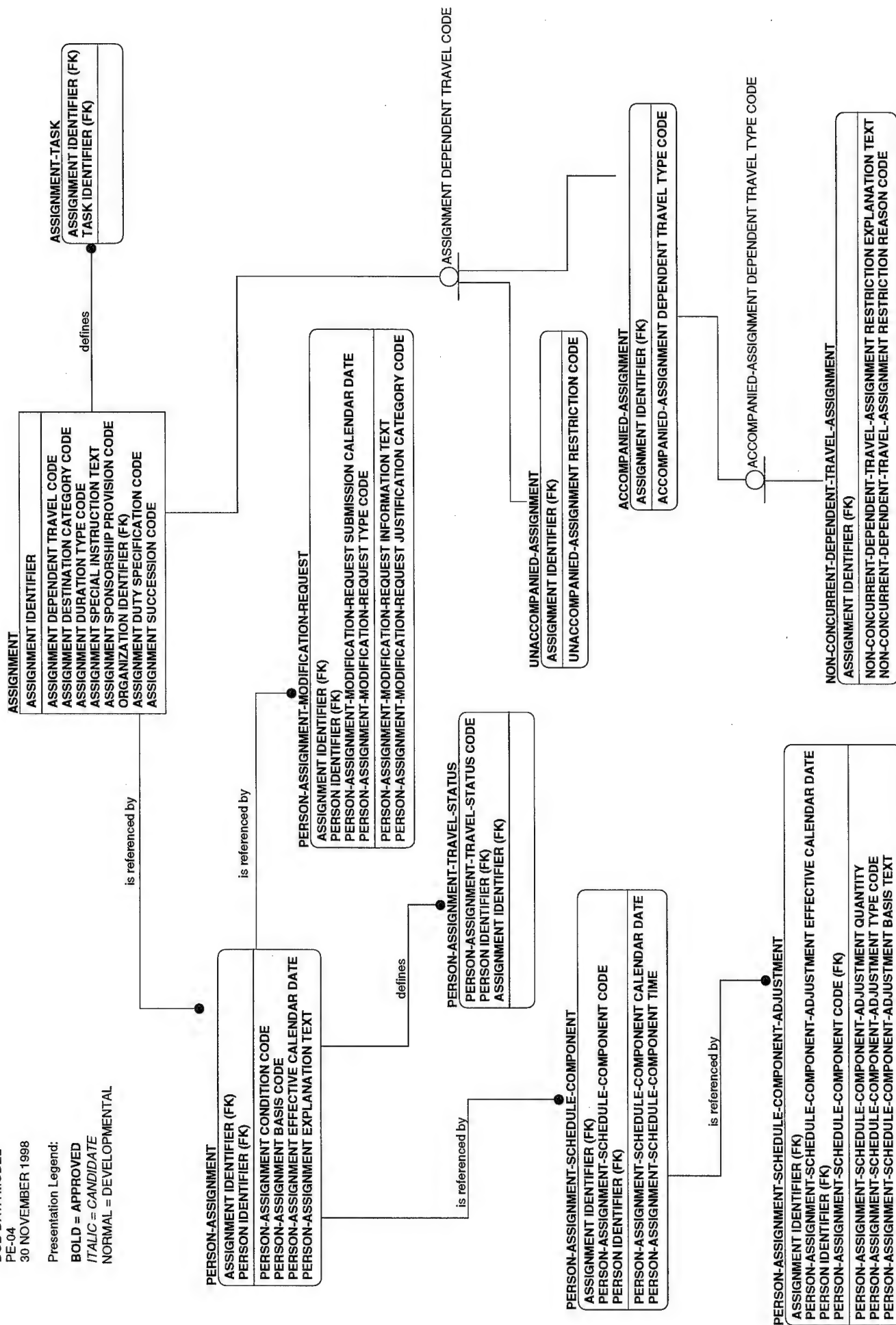
PE-04

Presentation Legend:

**BOLD** = APPROVED

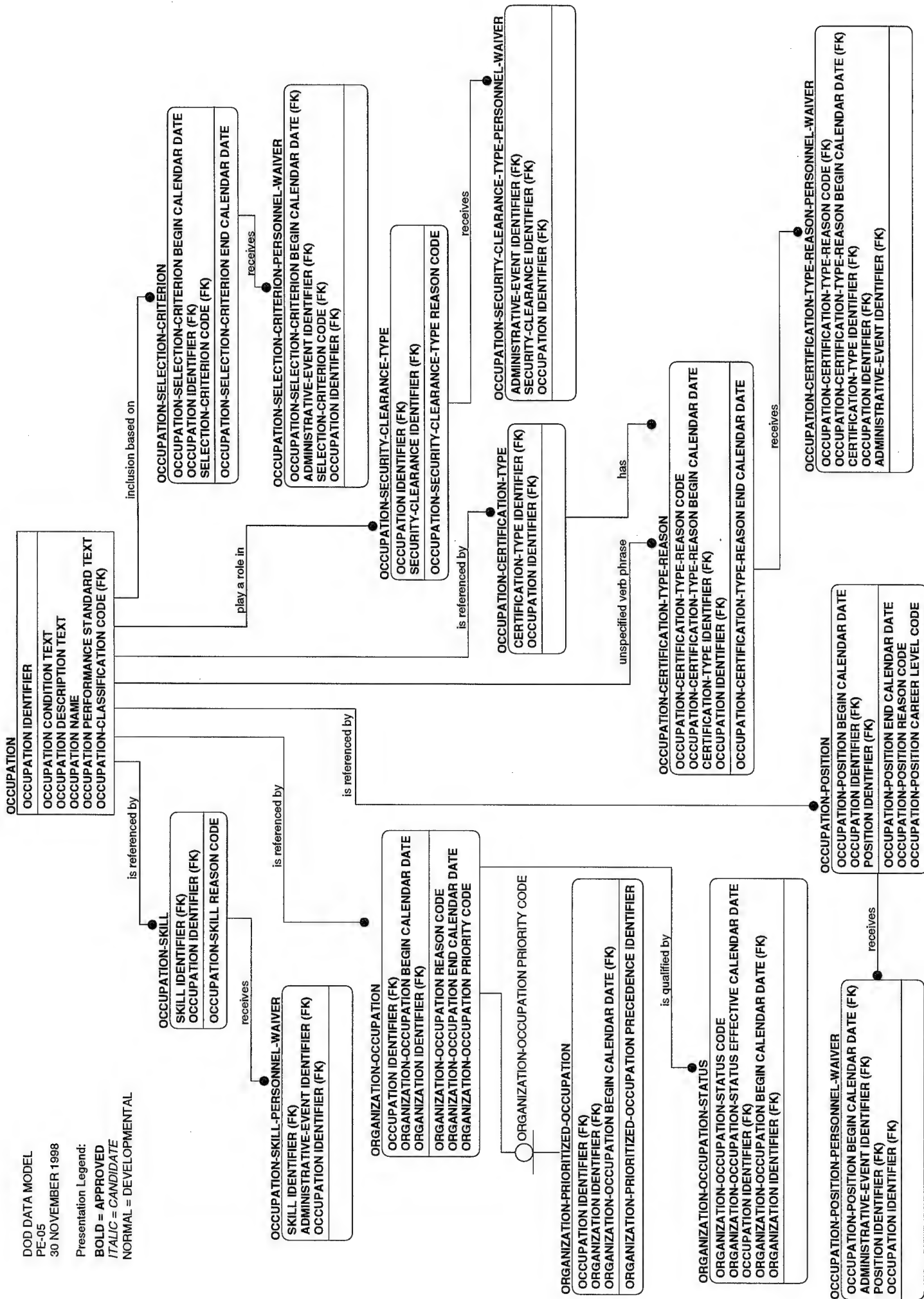
*ITALIC* = CANDIDATE

NORMAL = DEVELOPMENTAL



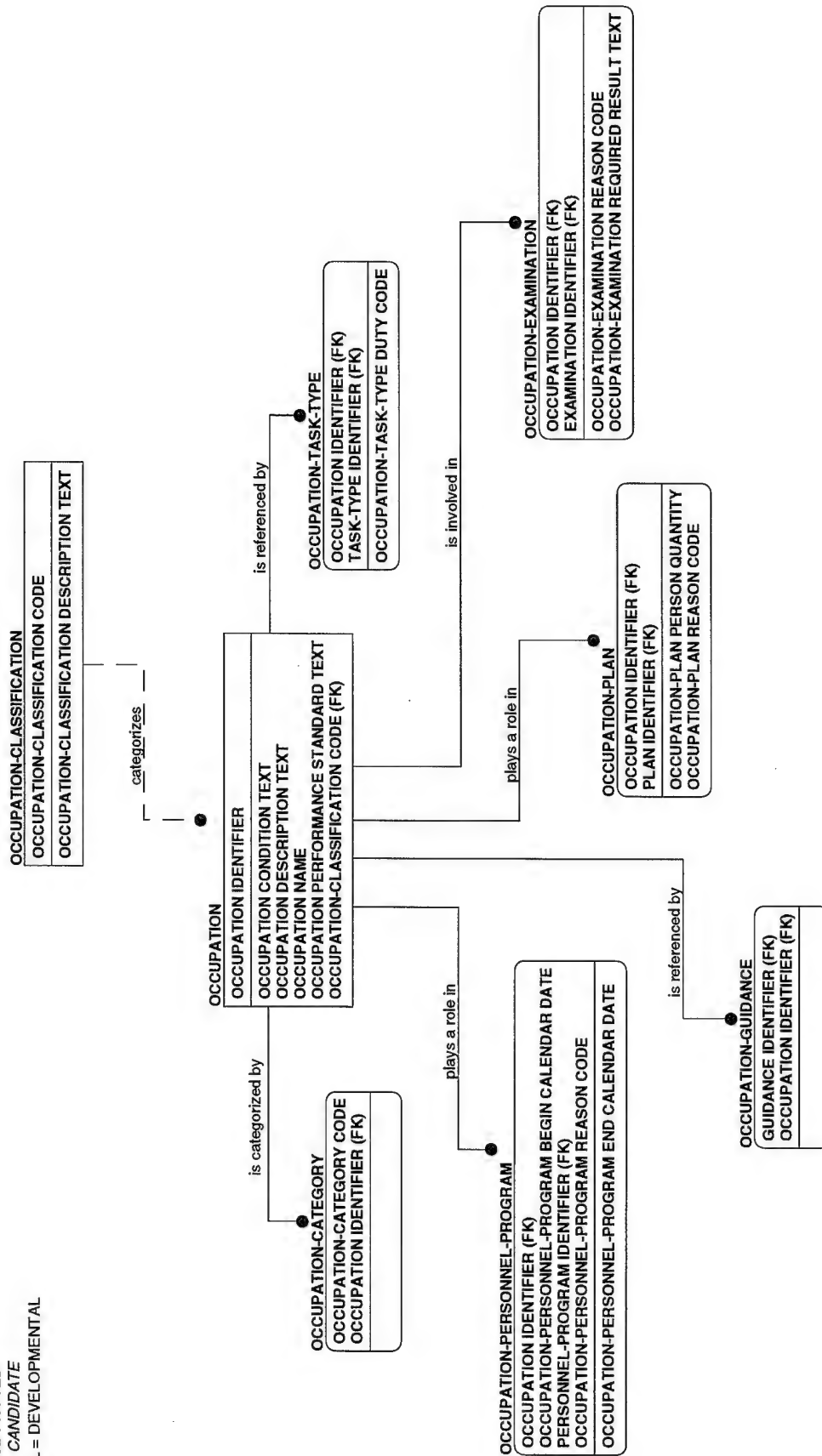
PE-05

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL

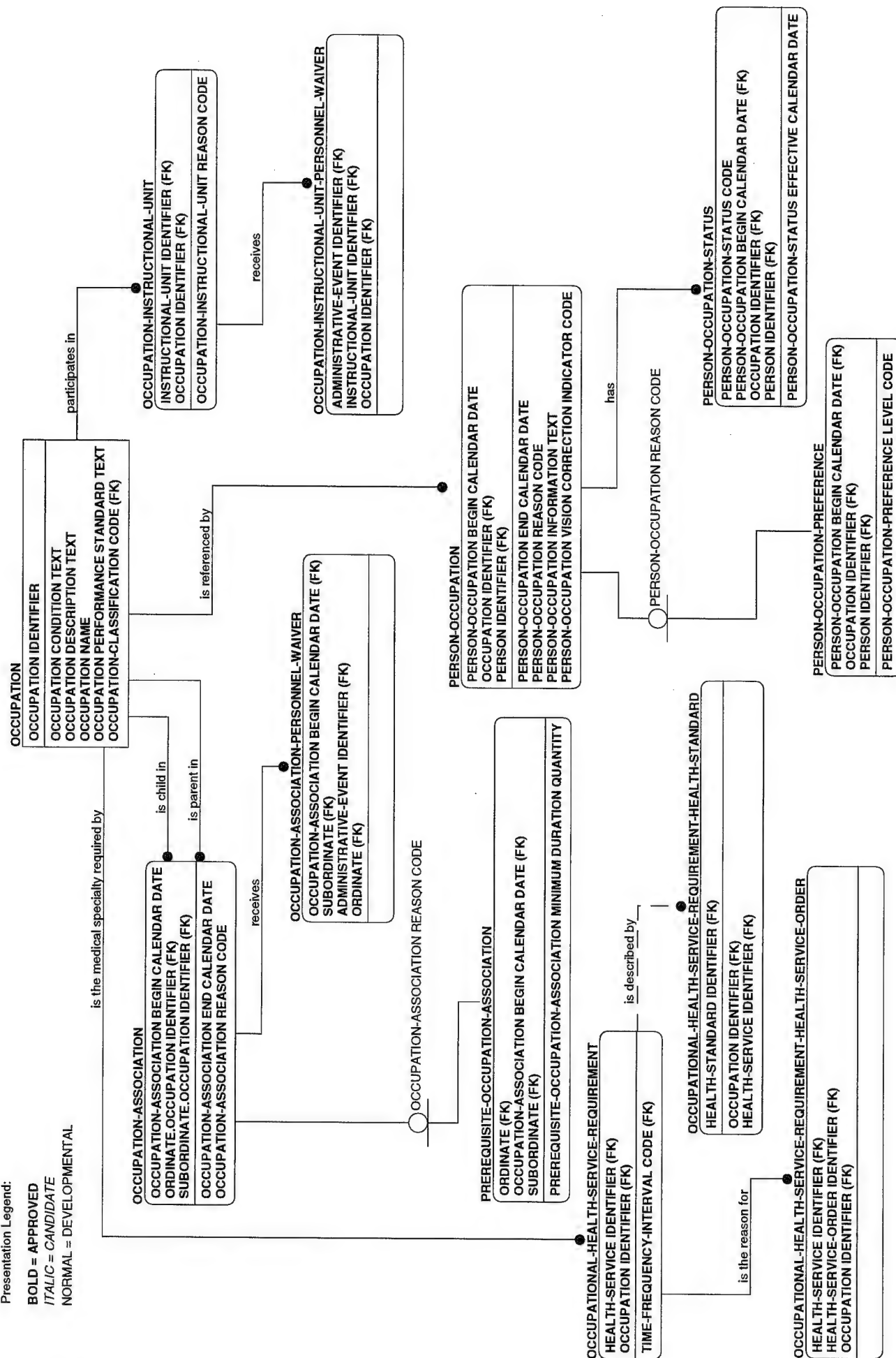




PE-06



PE-07



PE-08

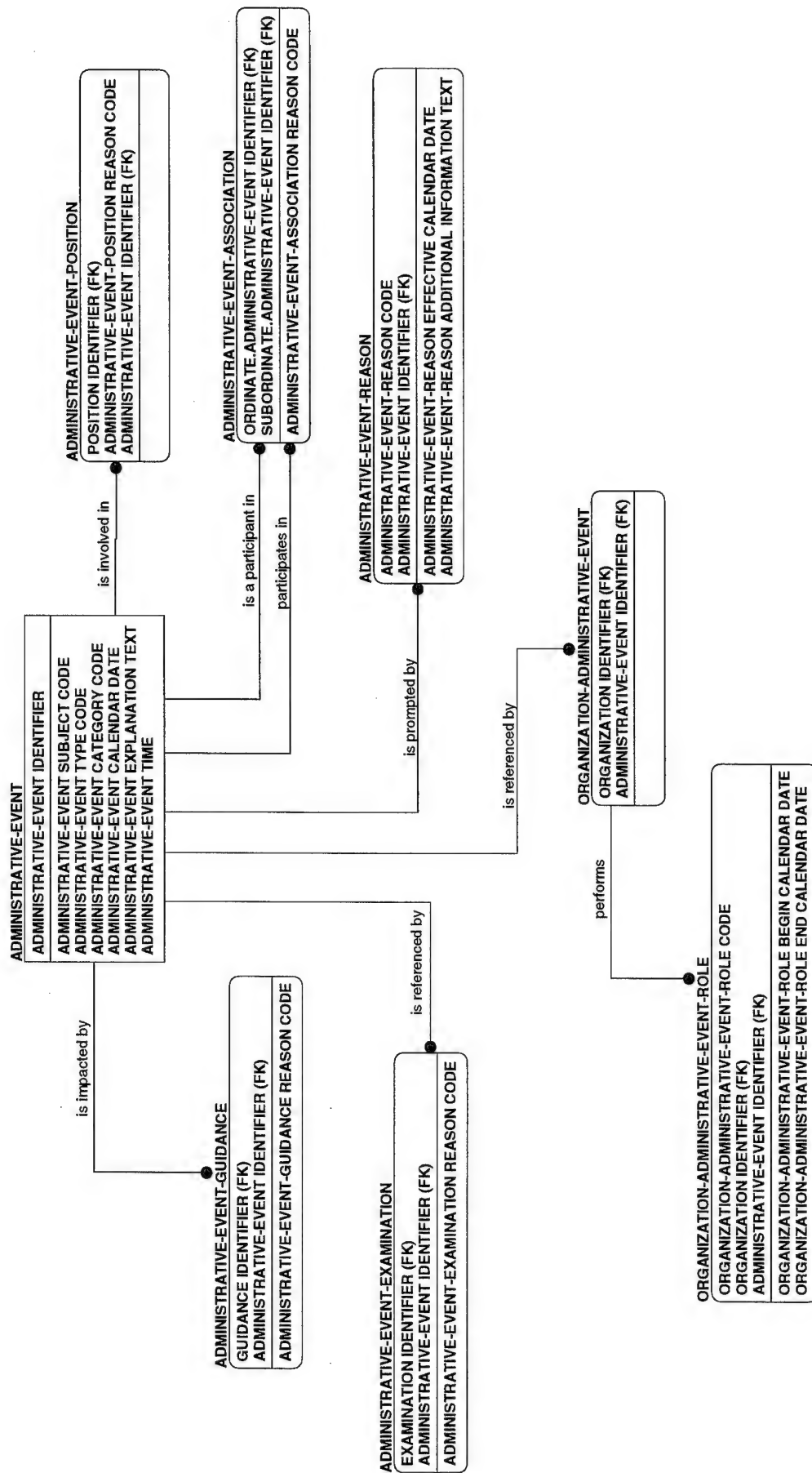
DOD DATA MODEL  
PE-08  
30 NOVEMBER 1998

Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

NORMAL = DEVELOPMENTAL





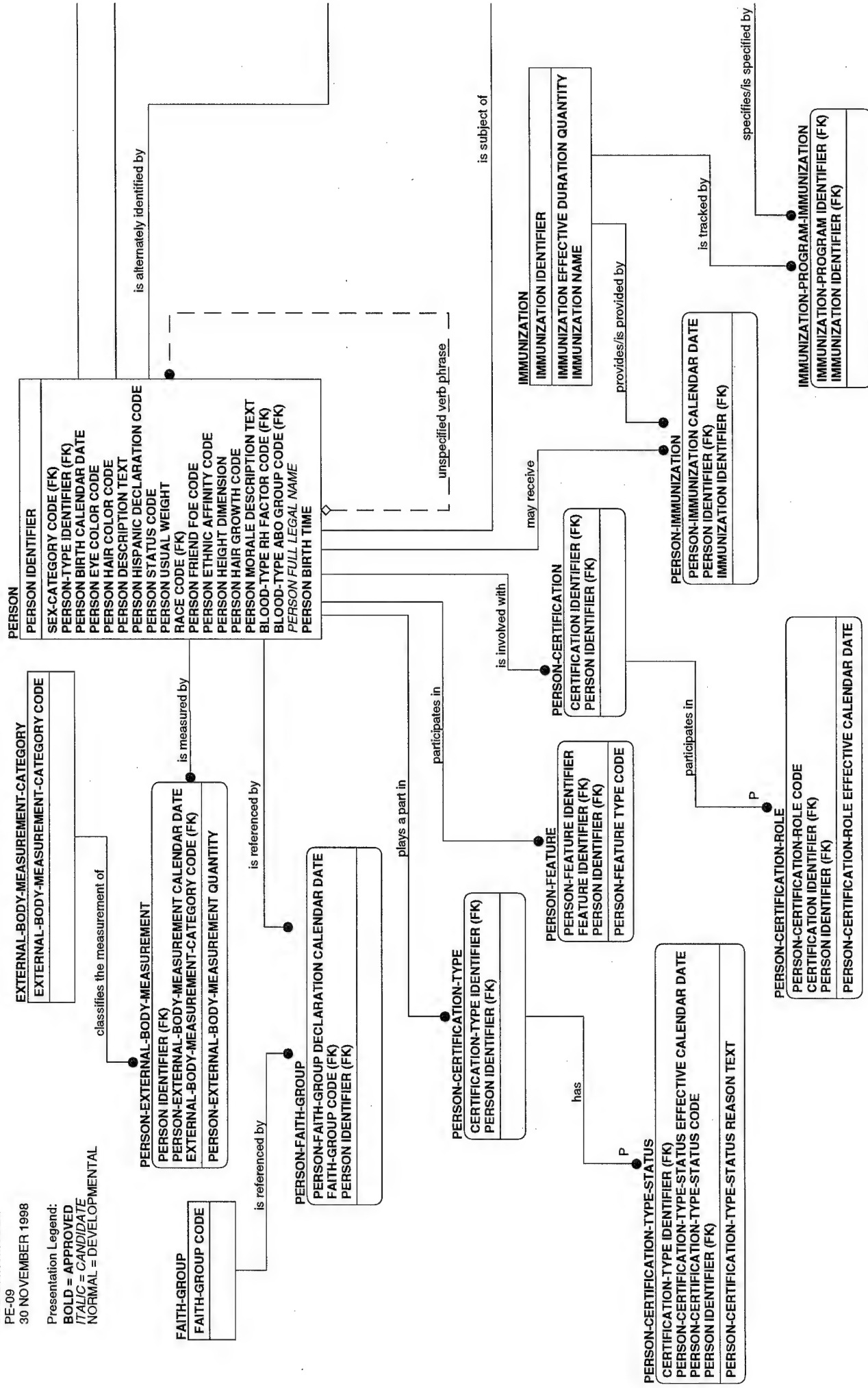
PE-09

30 NOVEMBER 1998

**Presentation Legend:**

**BOLD = APPROVED**

**BOLD = APPROVED**  
**ITALIC = CANDIDATE**



is referenced by

PERSON-DOCUMENT

PERSON-DOCUMENT BEGIN CALENDAR DATE
DOCUMENT IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-DOCUMENT END CALENDAR DATE
PERSON-DOCUMENT ROLE CODE

is responsible for

PERSON-DESIGNATOR

PERSON-DESIGNATOR TYPE CODE
PERSON-DESIGNATOR BEGIN CALENDAR DATE
PERSON IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
PERSON-DESIGNATOR END CALENDAR DATE
PERSON-DESIGNATOR IDENTIFIER

PERSON-DIAGNOSTIC-TEST-RESULT-STATUS

SAMPLE IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
HEALTH-SERVICE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-T-STATUS DATE
PERSON-HEALTH-SERVICE SEQUENCE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-T-STATUS TIME
PERSON-DIAGNOSTIC-TEST-RESULT SEQUENCE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-T-STATUS TYPE CODE

PERSON-EVALUATION

PERSON-EVALUATION BEGIN CALENDAR DATE
EVALUATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-EVALUATION END CALENDAR DATE
PERSON-EVALUATION PERSON ROLE CODE

PERSON-EVALUATION PERSON ROLE CODE

IMMUNIZATION-PROGRAM

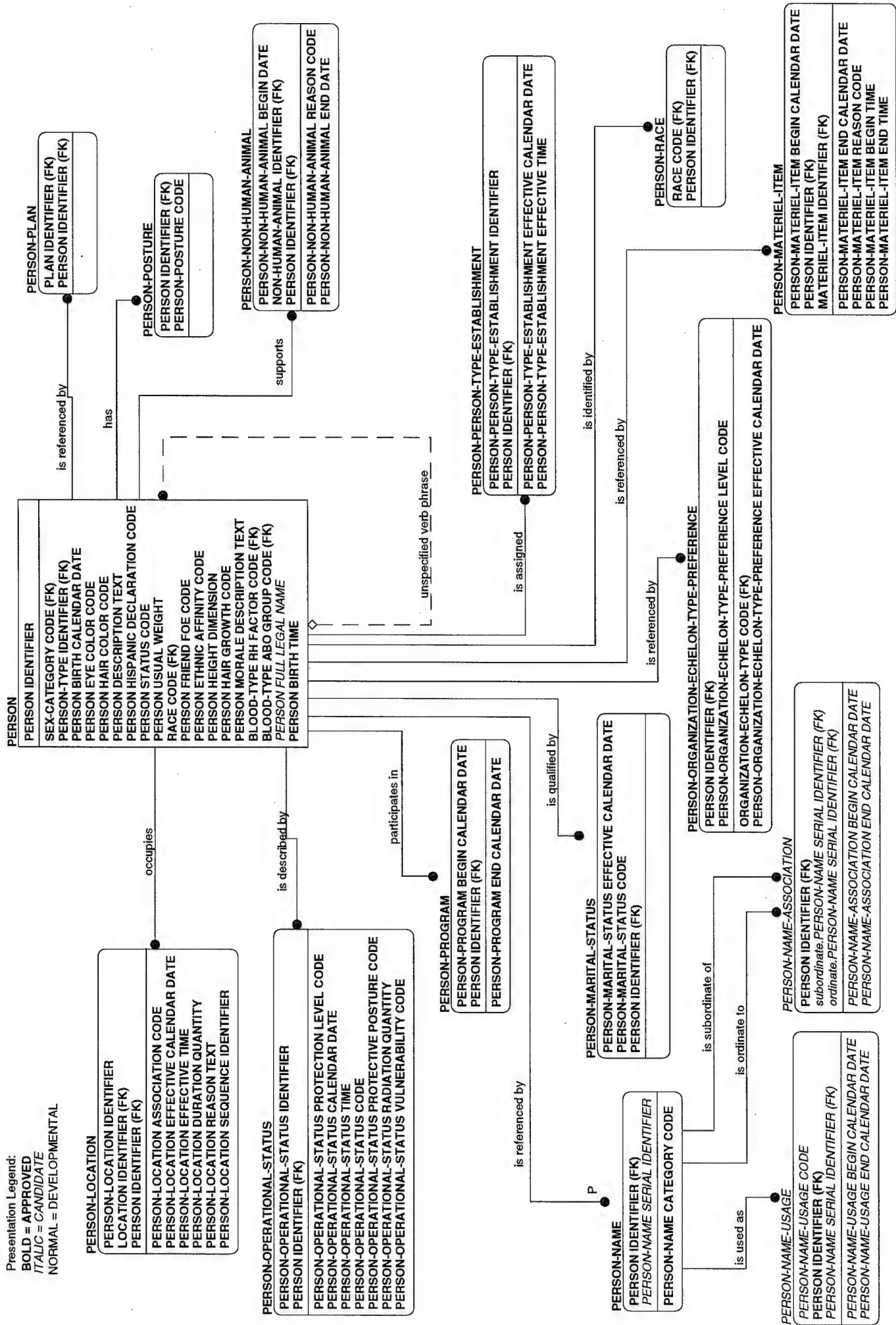
IMMUNIZATION-PROGRAM IDENTIFIER
IMMUNIZATION-PROGRAM NAME

EVALUATOR

EVALUATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-EVALUATION BEGIN CALENDAR DATE (FK)
EVALUATOR ROLE TYPE NAME

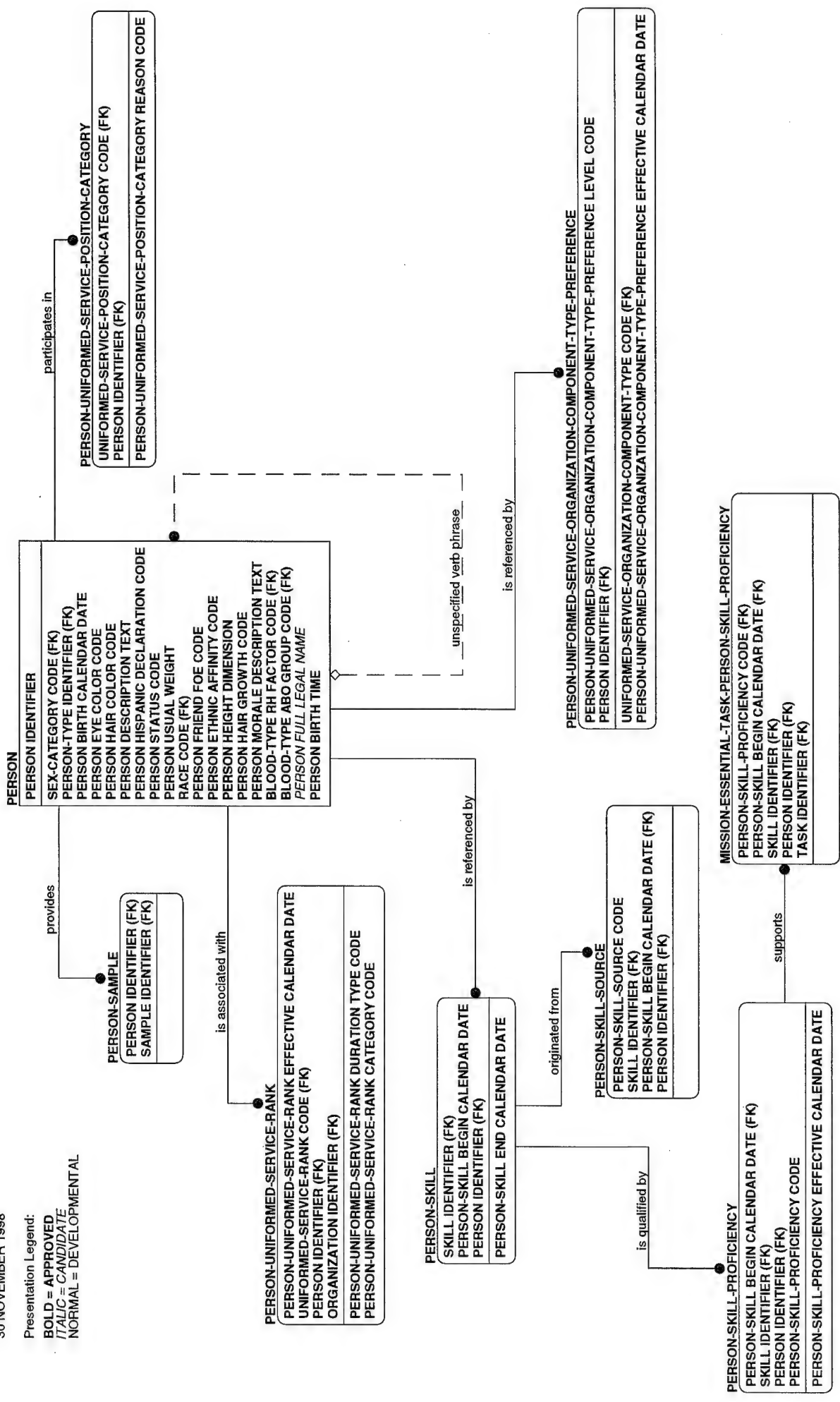
PE-10

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



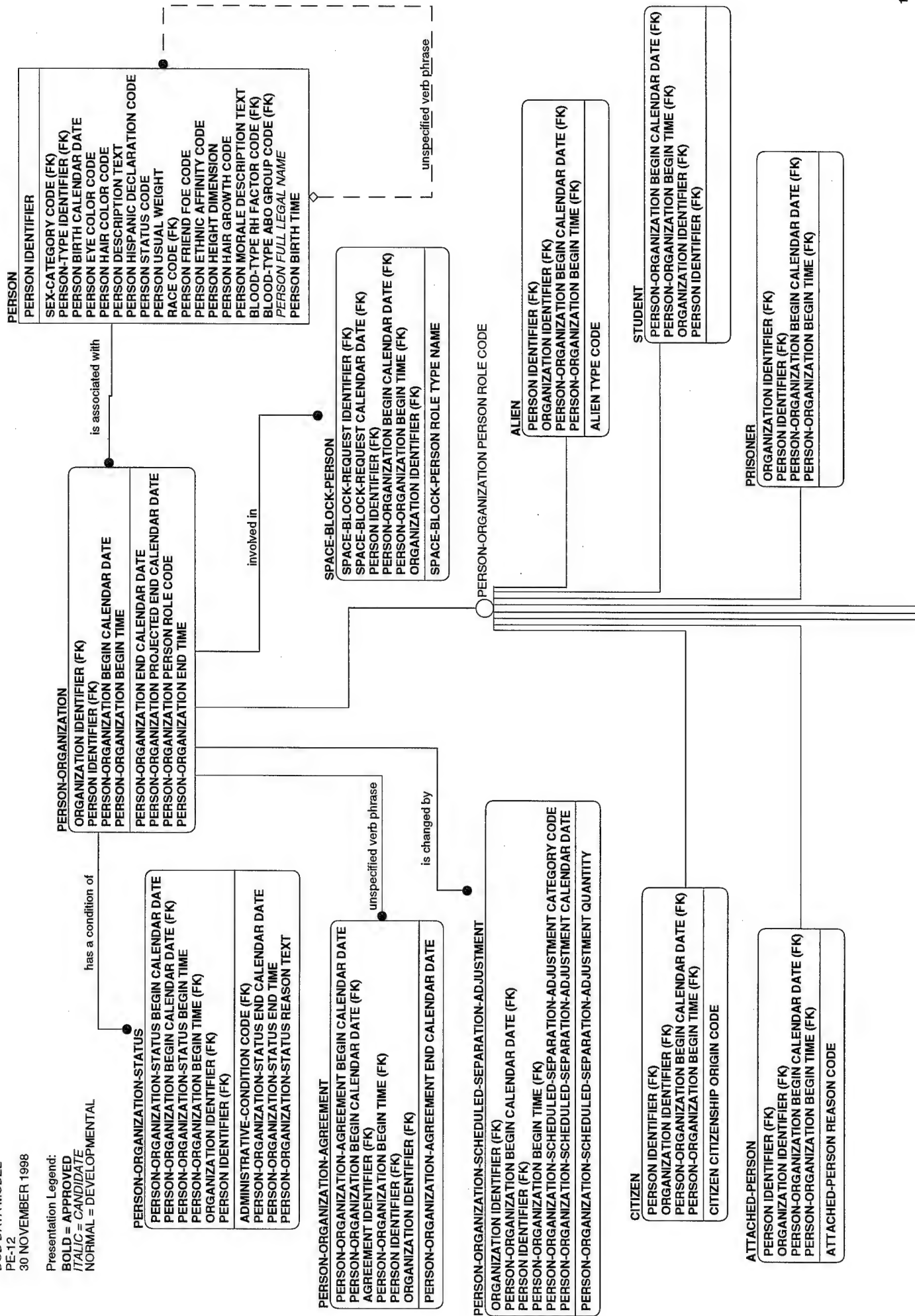
PE-11

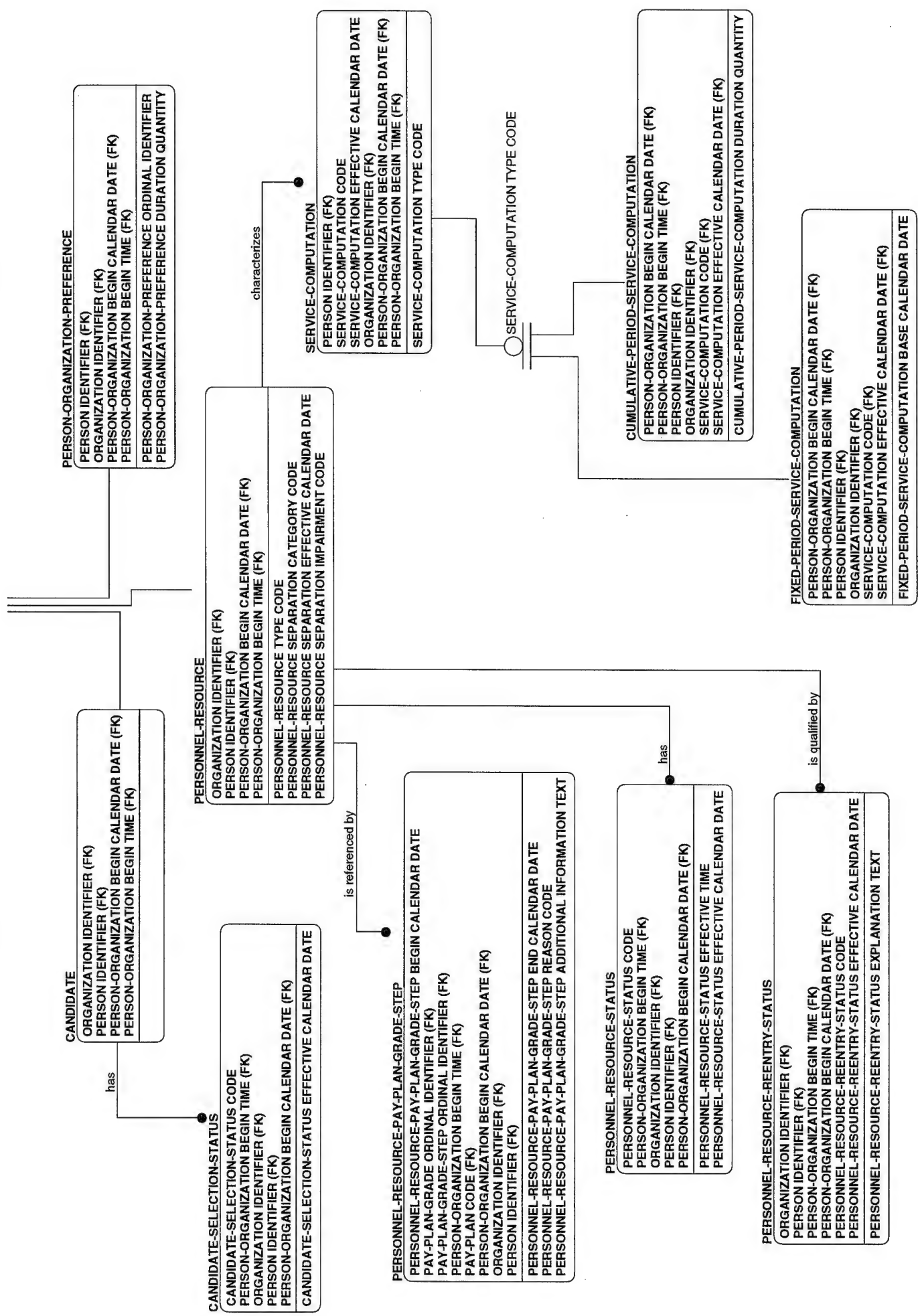




PE-12

Presentation Legend:  
BOLD = APPROVED  
ITALIC = CANDIDATE  
NORMAL = DEVELOPMENTAL



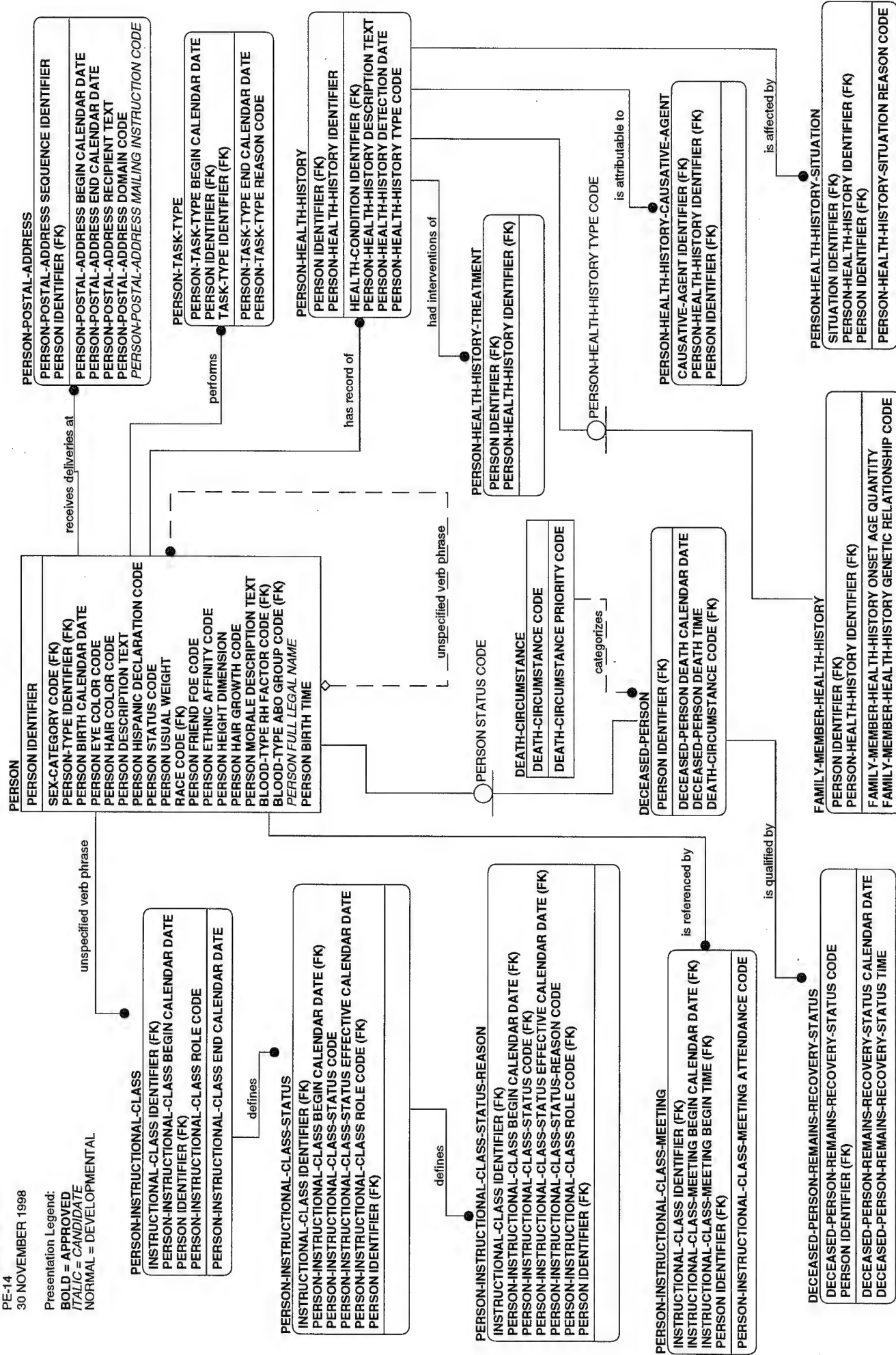


PE-13

PERSON-ORGANIZATION-STATUS BEGIN CALENDAR DATE (FK)
PERSON-ORGANIZATION BEGIN CALENDAR DATE (FK)
PERSON-ORGANIZATION-STATUS BEGIN TIME (FK)
PERSON-ORGANIZATION BEGIN TIME (FK)
ORGANIZATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
CASUALTY-ILL-INJURED-STATUS TYPE CODE

PE-14

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





PE-15

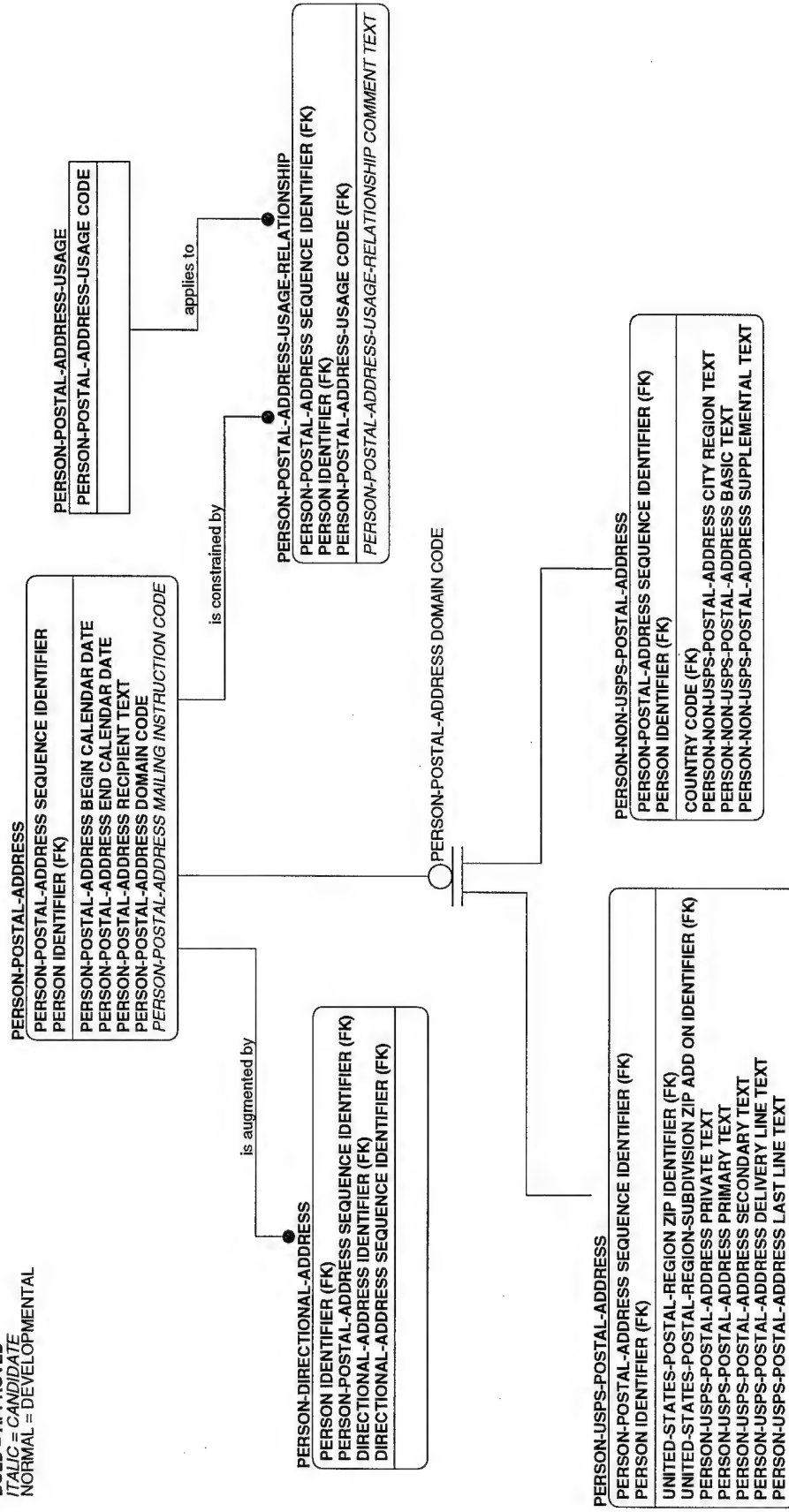
PE-15

30 NOVEMBER 1998

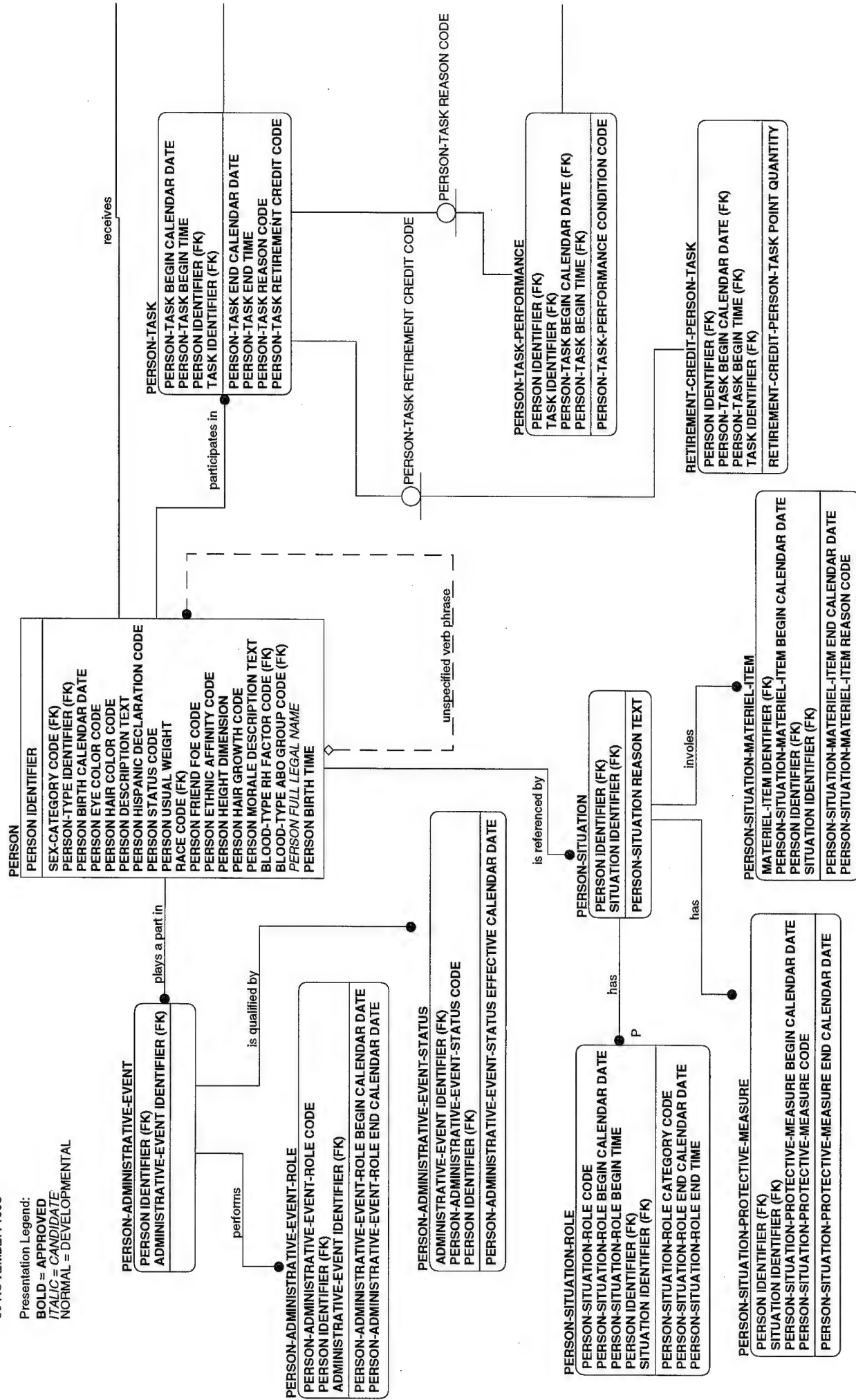
**BOLD = APPROVED**

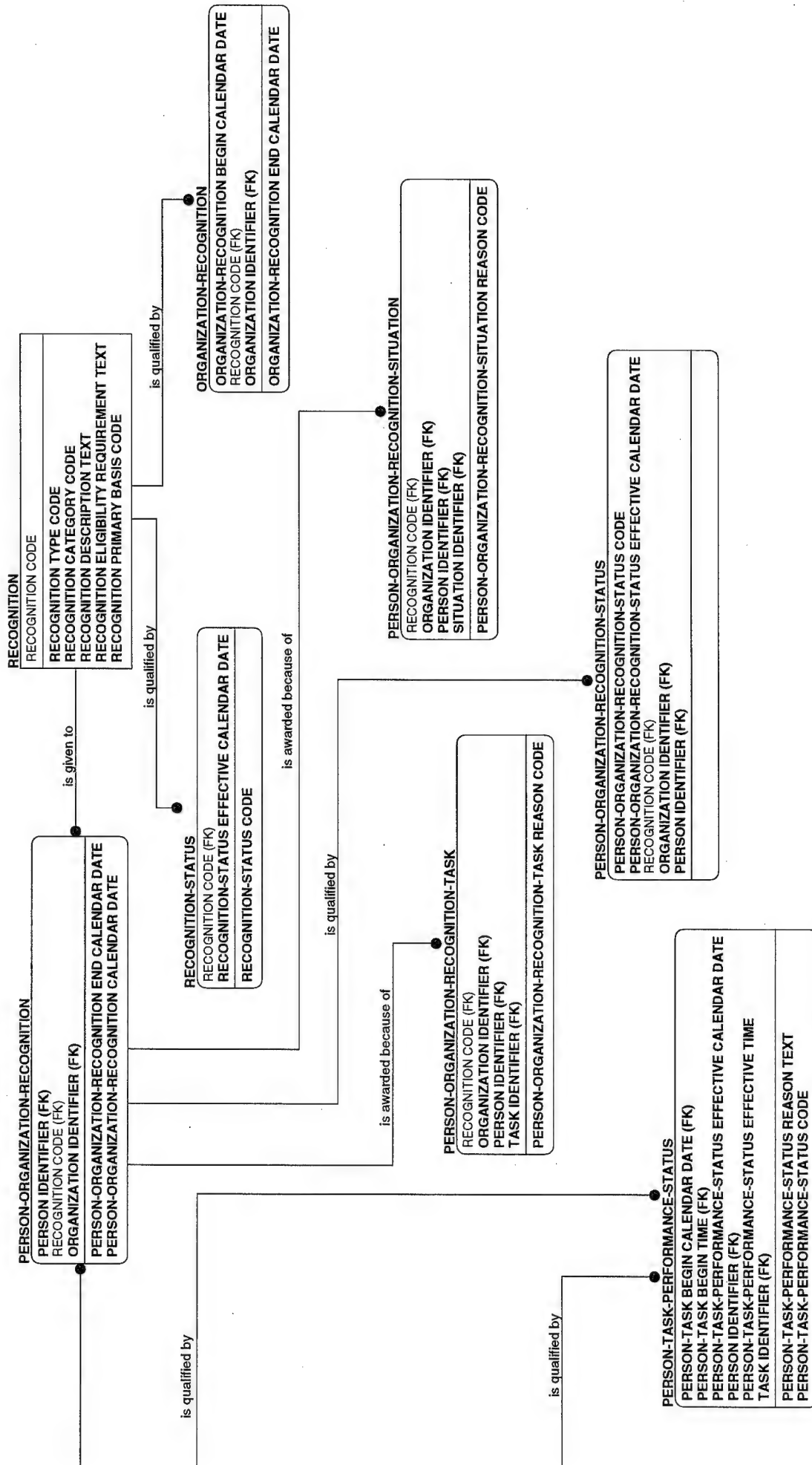
ITALIC = CANDIDATE

**NORMAL = DEVELOPMENTAL**



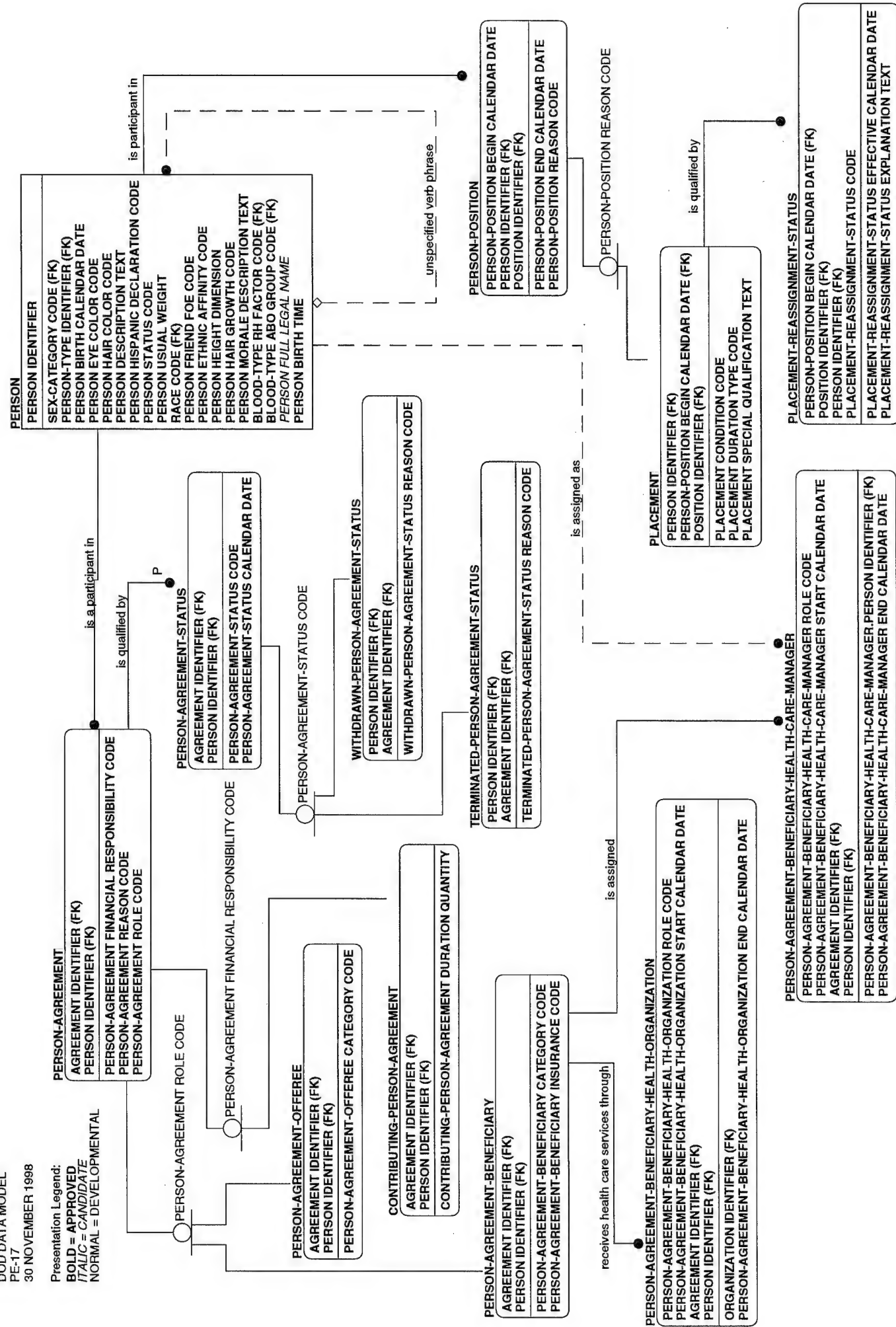
PE-16





PE-17

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL

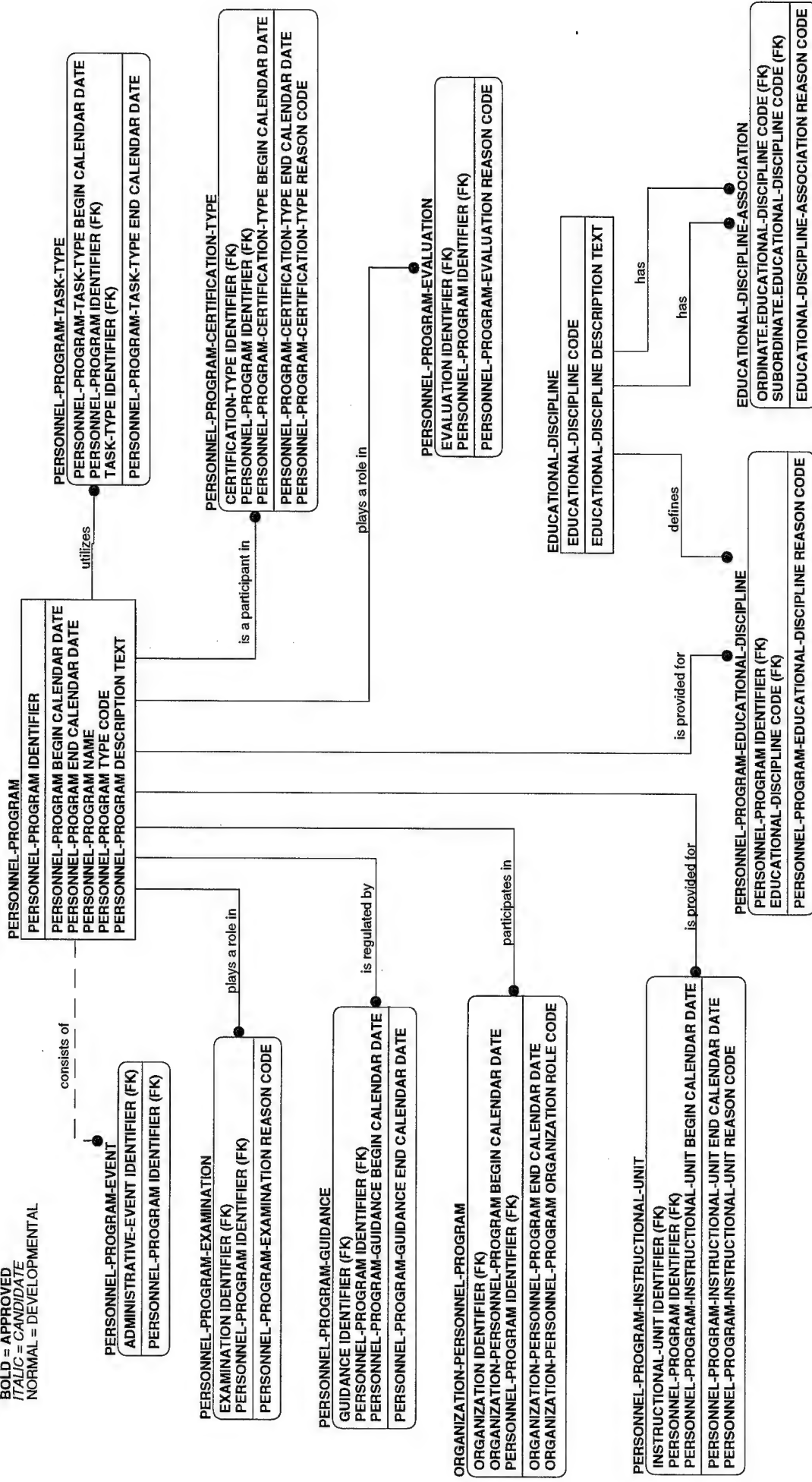


PE-18



DOD DATA MODEL  
PE-18  
30 NOVEMBER 1998

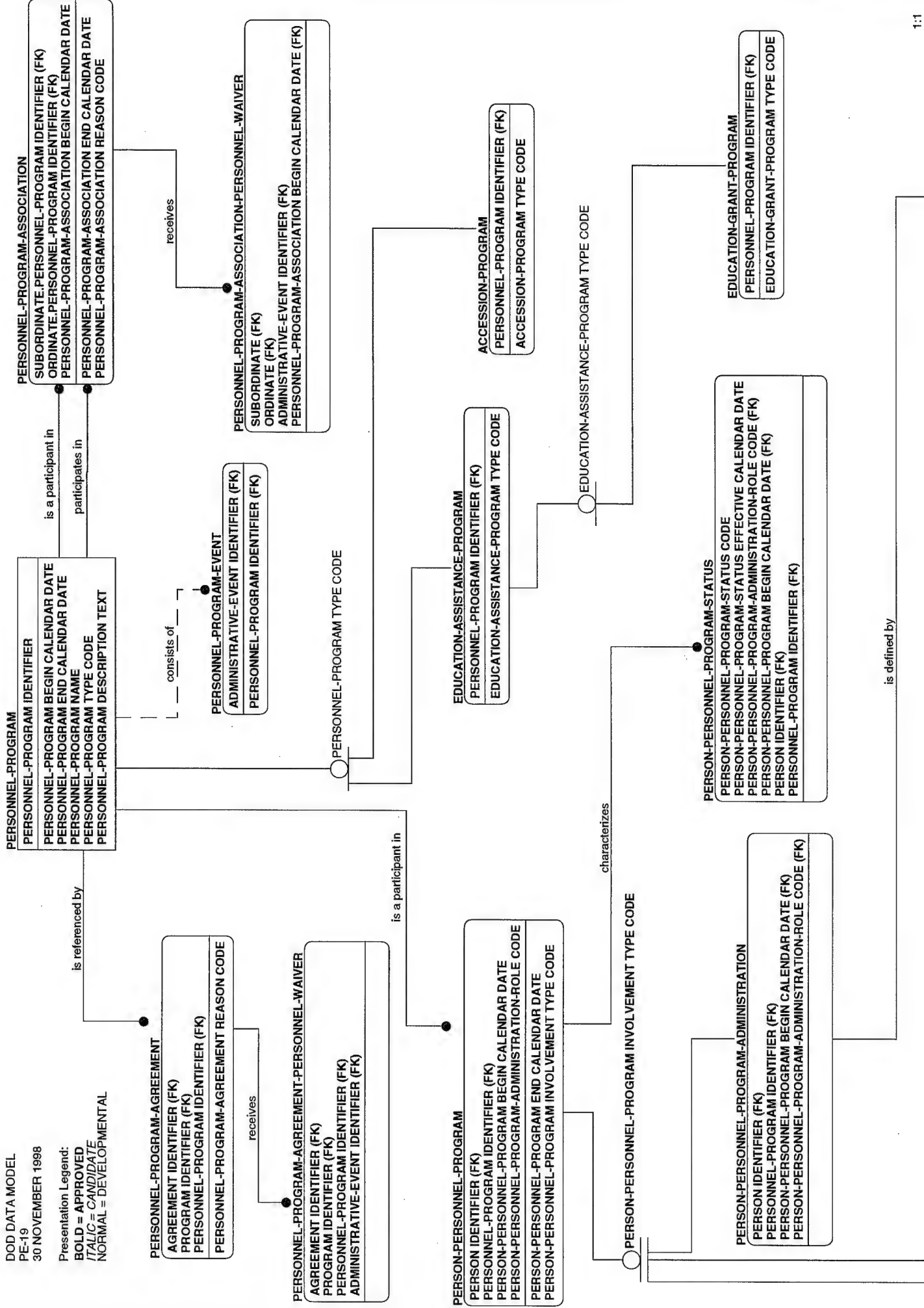
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-19

DOD DATA MODEL  
PE-19  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PERSON-PERSONNEL-PROGRAM-PARTICIPATION

PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM-BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PARTICIPATION CATEGORY CODE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION REFERRAL SOURCE CODE

is qualified by

PERSON-PERSONNEL-PROGRAM-PREFERENCE

PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM-BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PREFERENCE ORDINAL IDENTIFIER

PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS

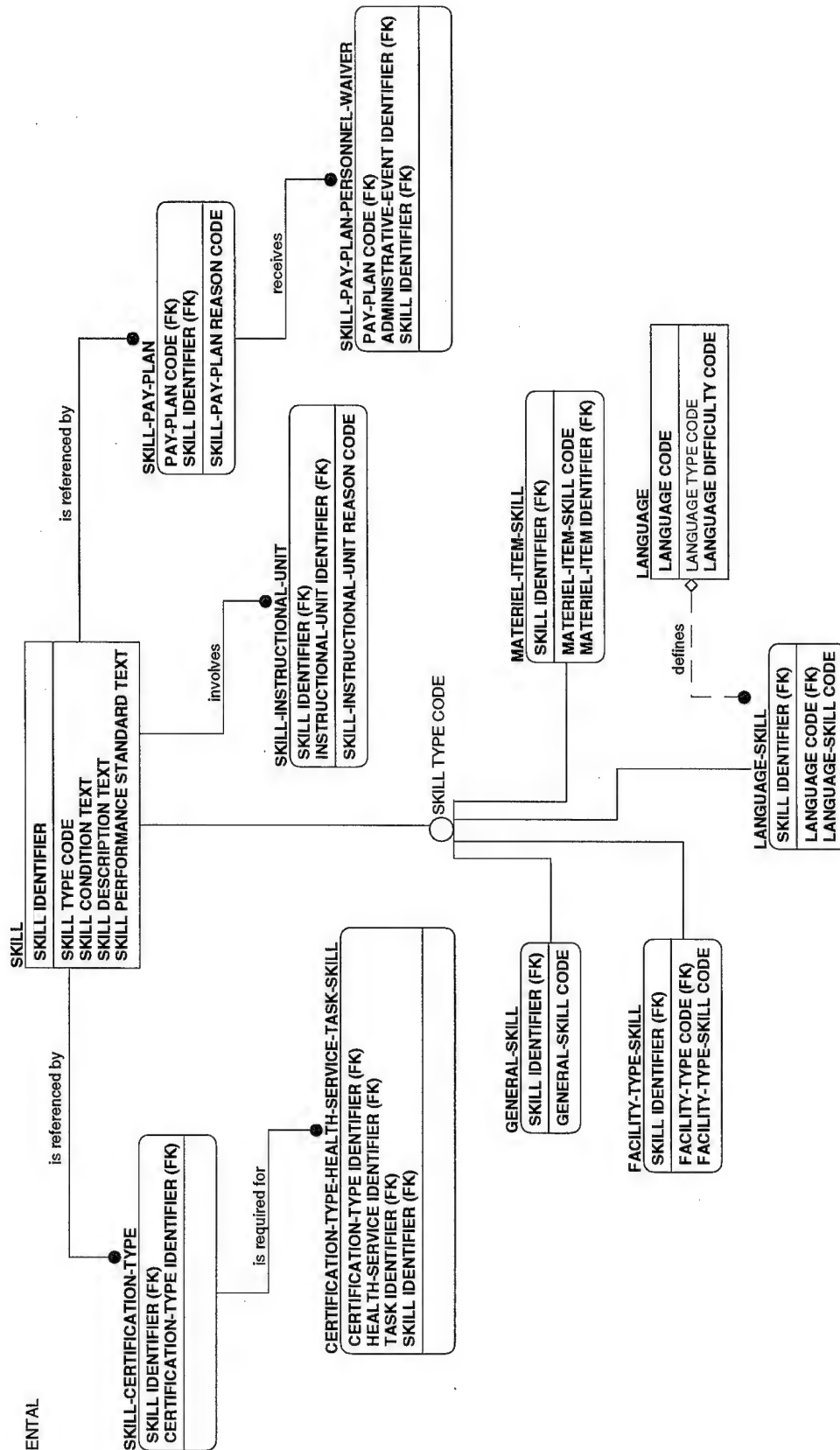
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS CODE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS EFFECTIVE CALENDAR DATE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS CATEGORY CODE
PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM-BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS REASON TEXT

PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE

PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE BEGIN CALENDAR DATE
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM-BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE END CALENDAR DATE

PE-20

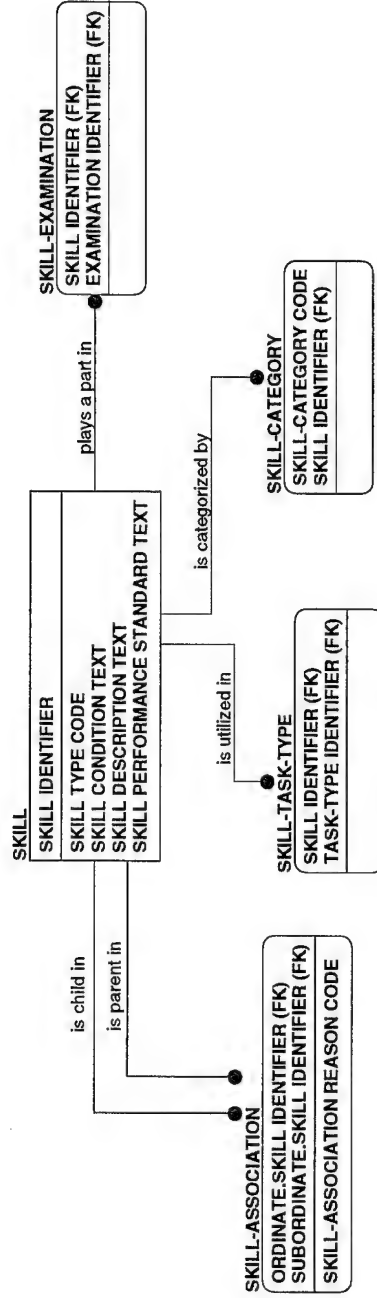
Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL



PE-21

DOD DATA MODEL:  
PE-21  
30 NOVEMBER 1998

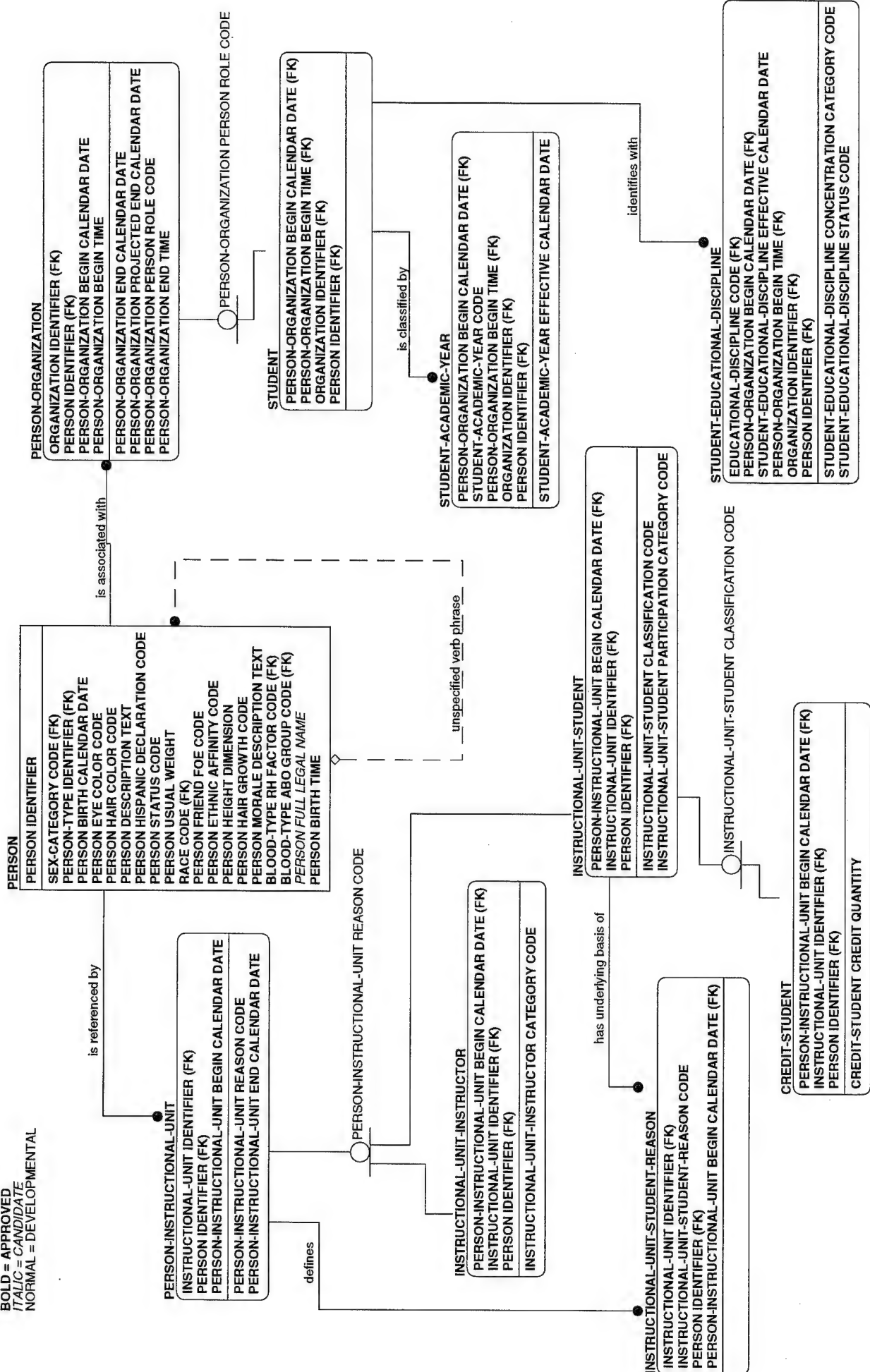
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





PE-22

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL

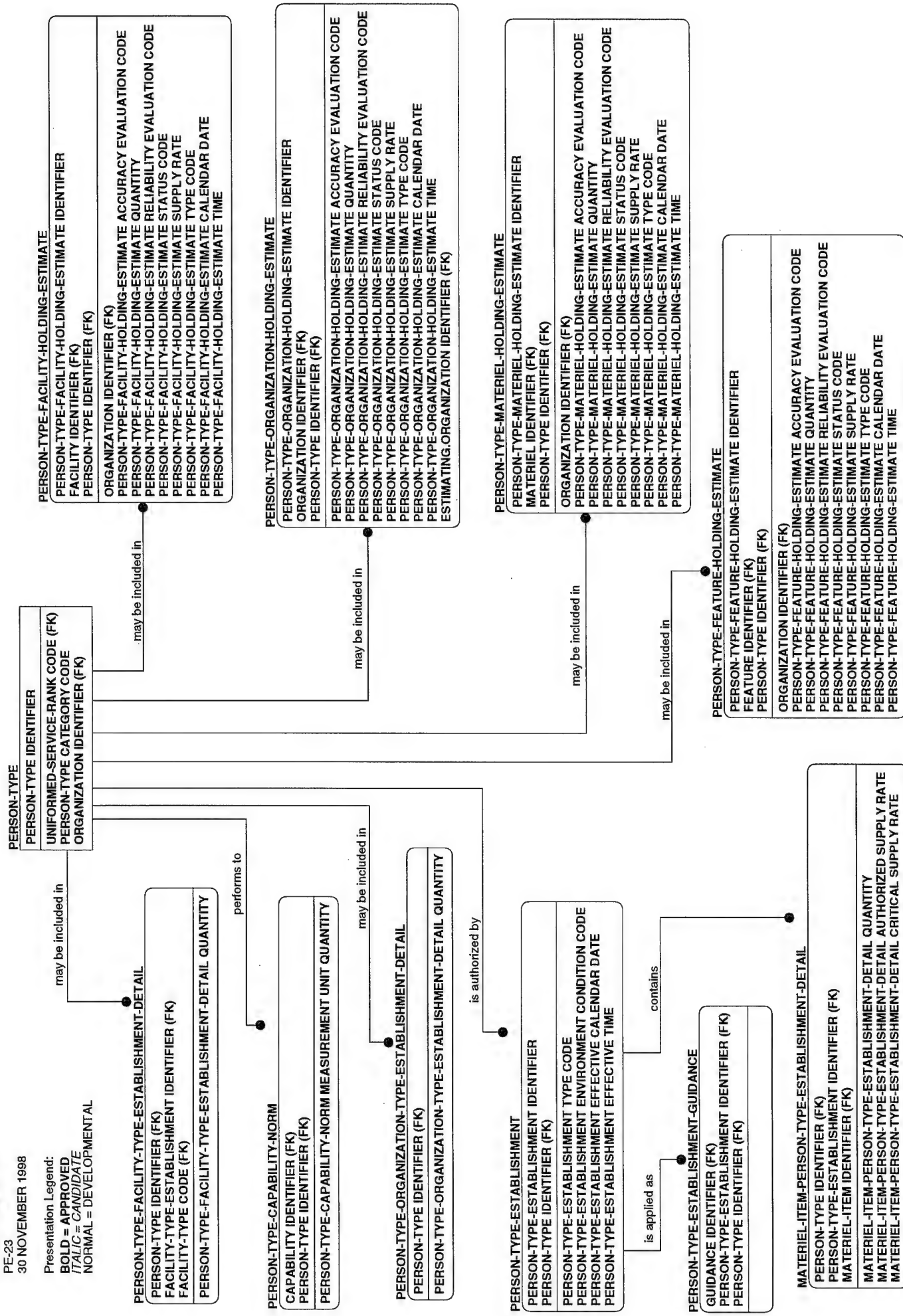


PE-23

**Presentation Legend:**

**PROLIFERATION APPROVED**

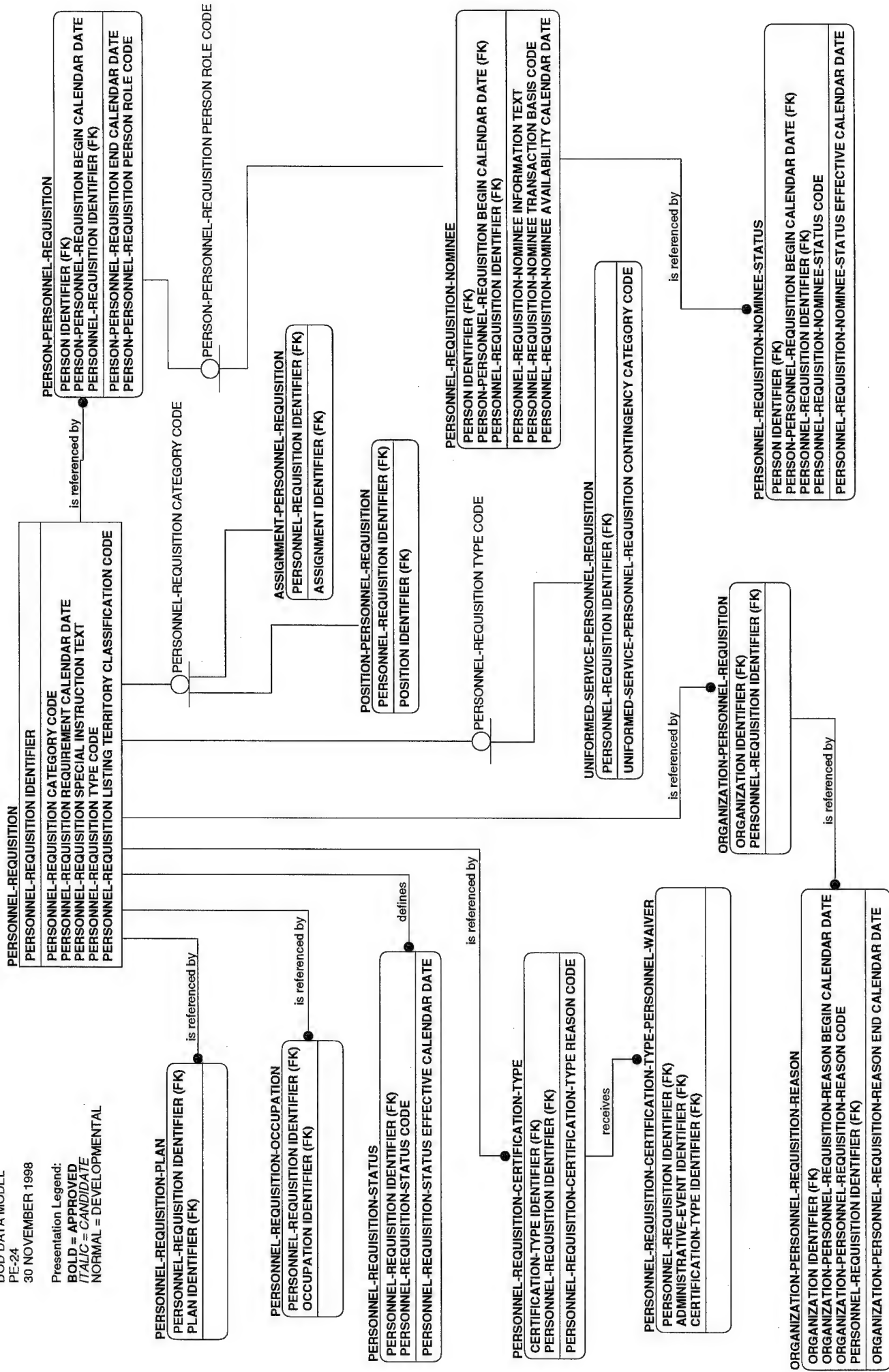
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
**NORMAL = DEVELOPMENTAL**



PE-24

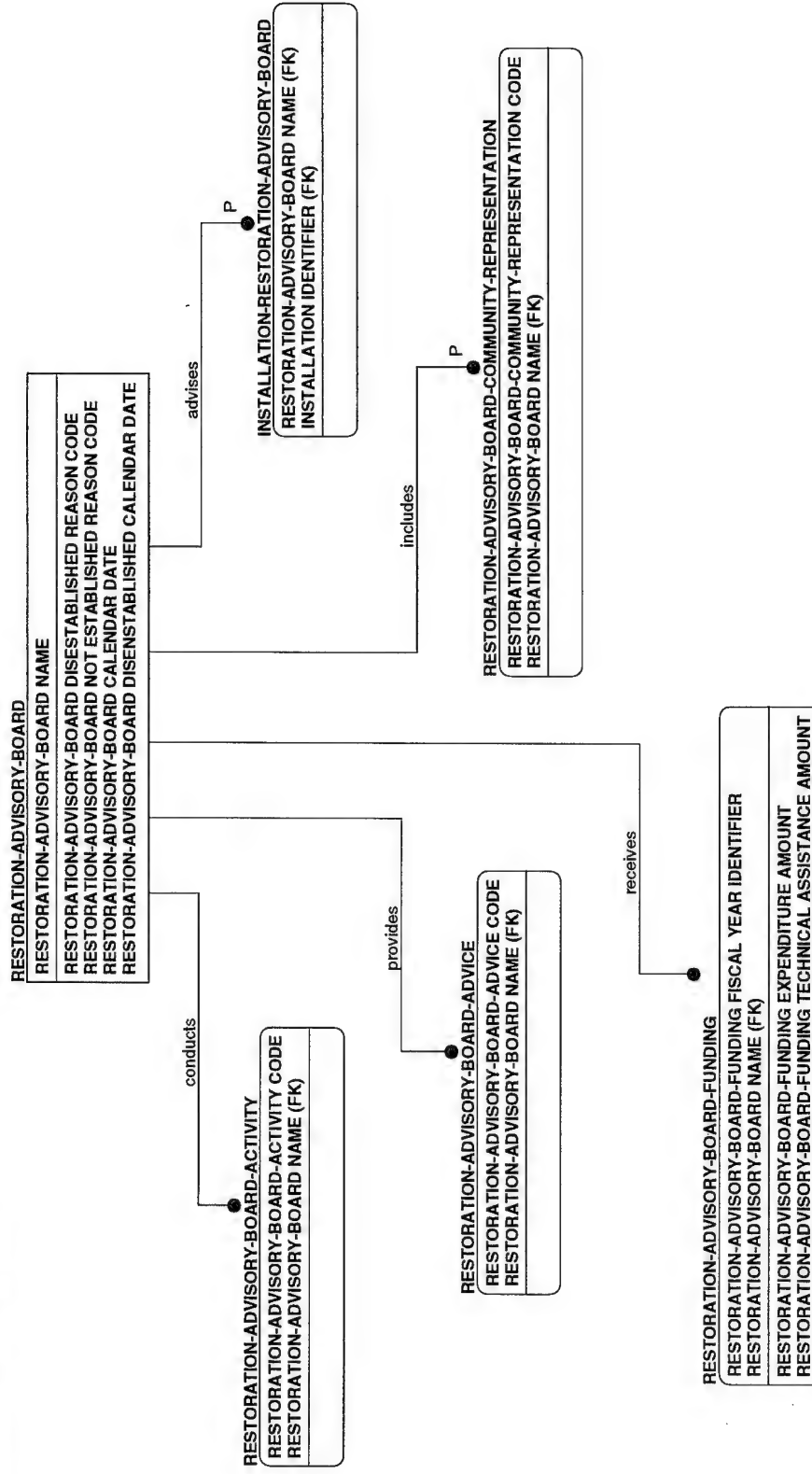
DOD DATA MODEL  
PE-24  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-26

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL

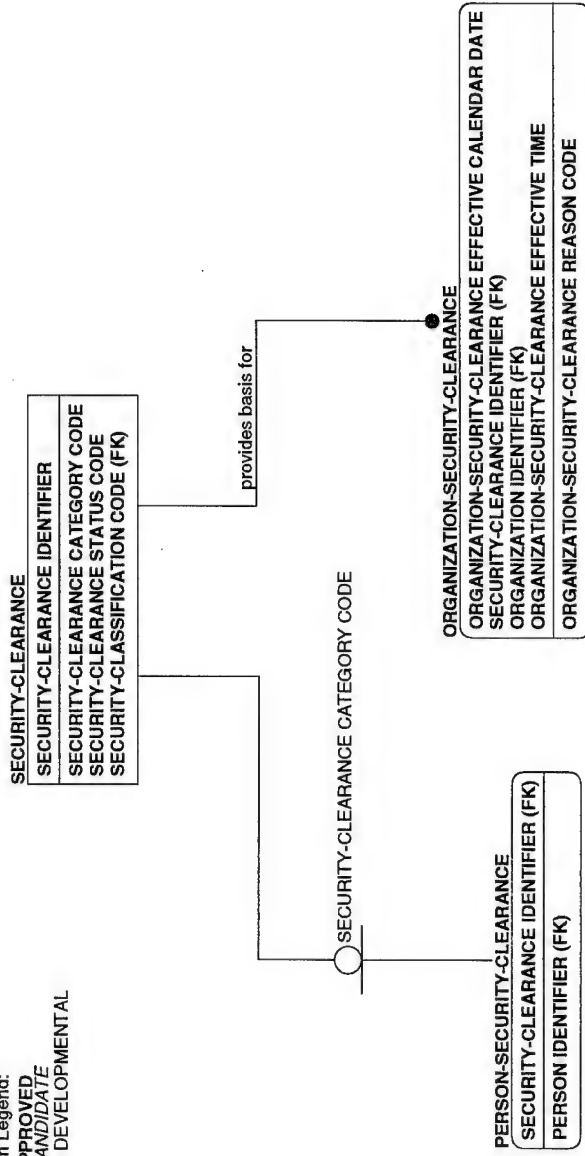




PE-27

DOD DATA MODEL  
PE-27  
30 NOVEMBER 1998

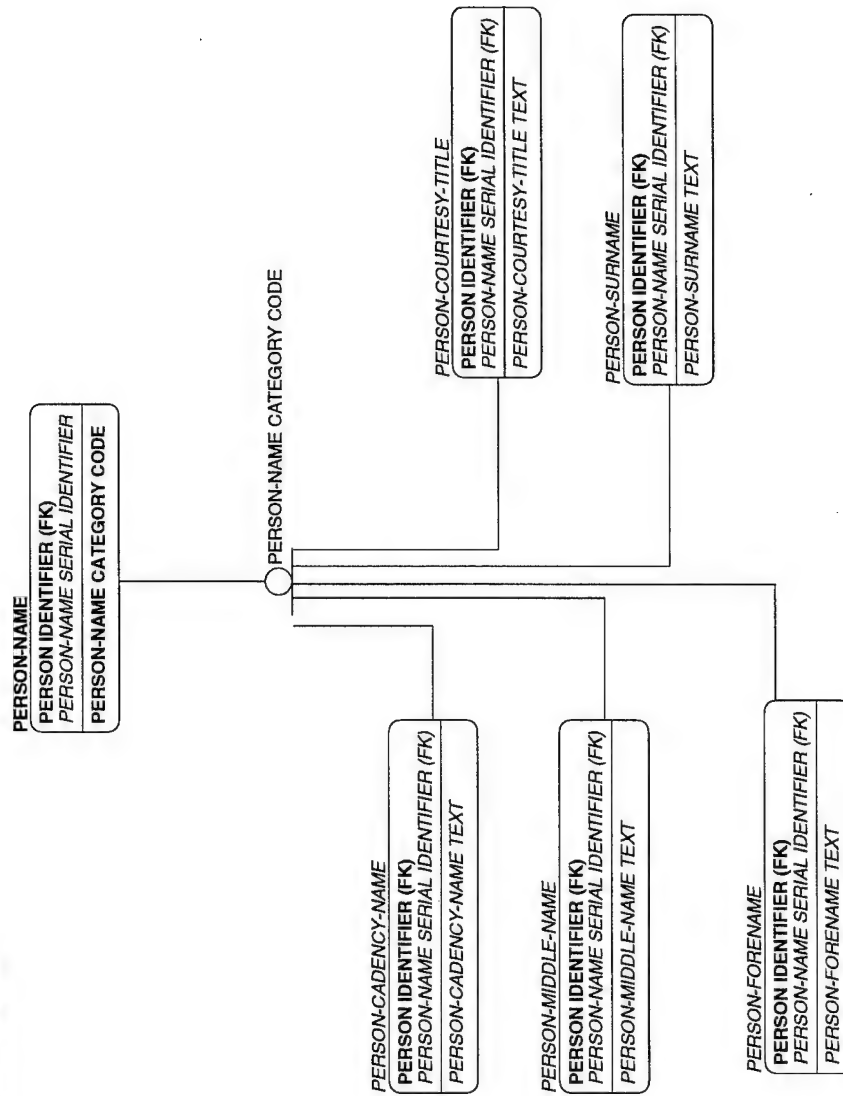
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-28

DOD DATA MODEL  
PE-28  
30 NOVEMBER 1998

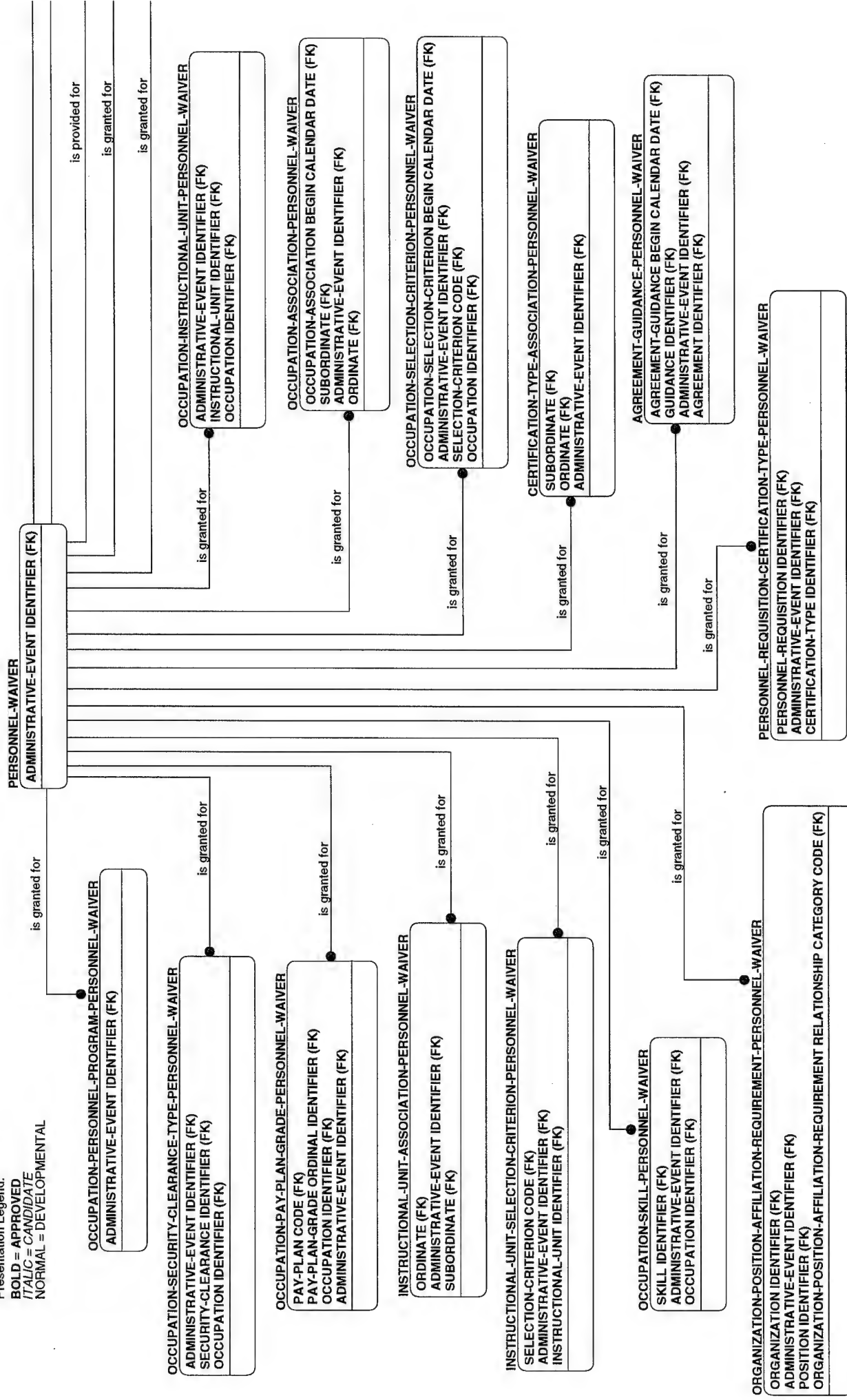
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL

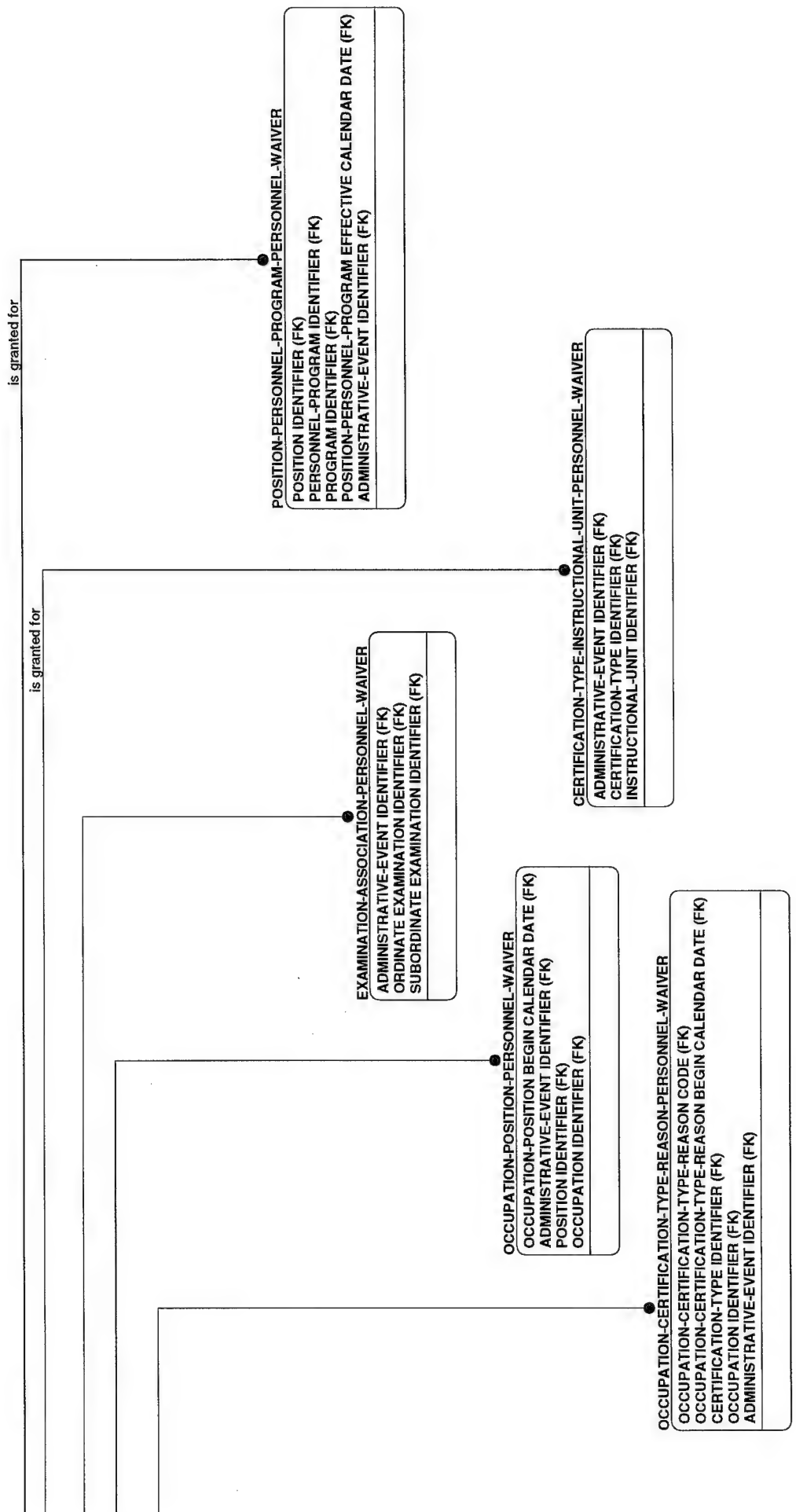


PE-29

DOD DATA MODEL  
PE-29  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL

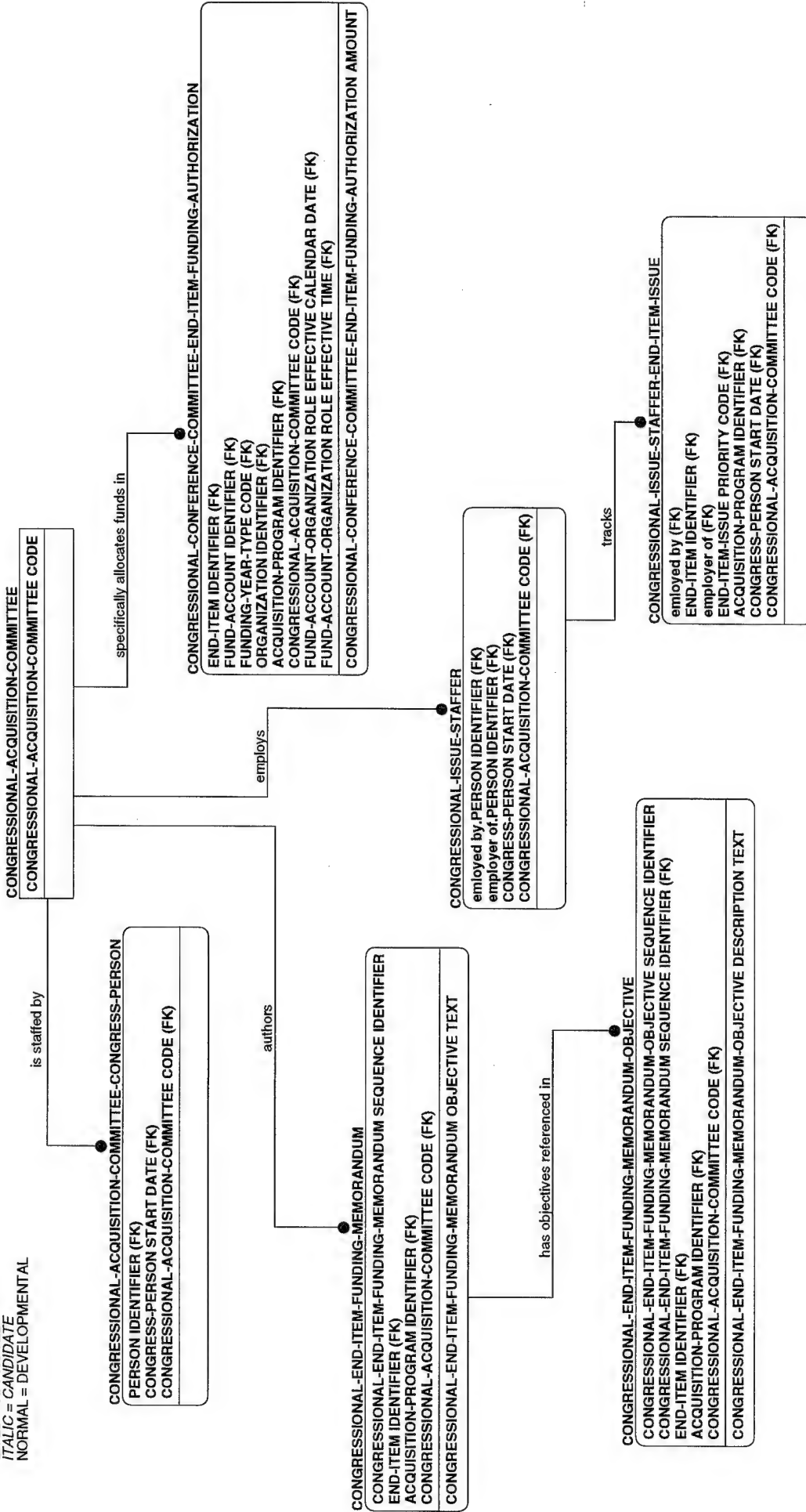




PE-30

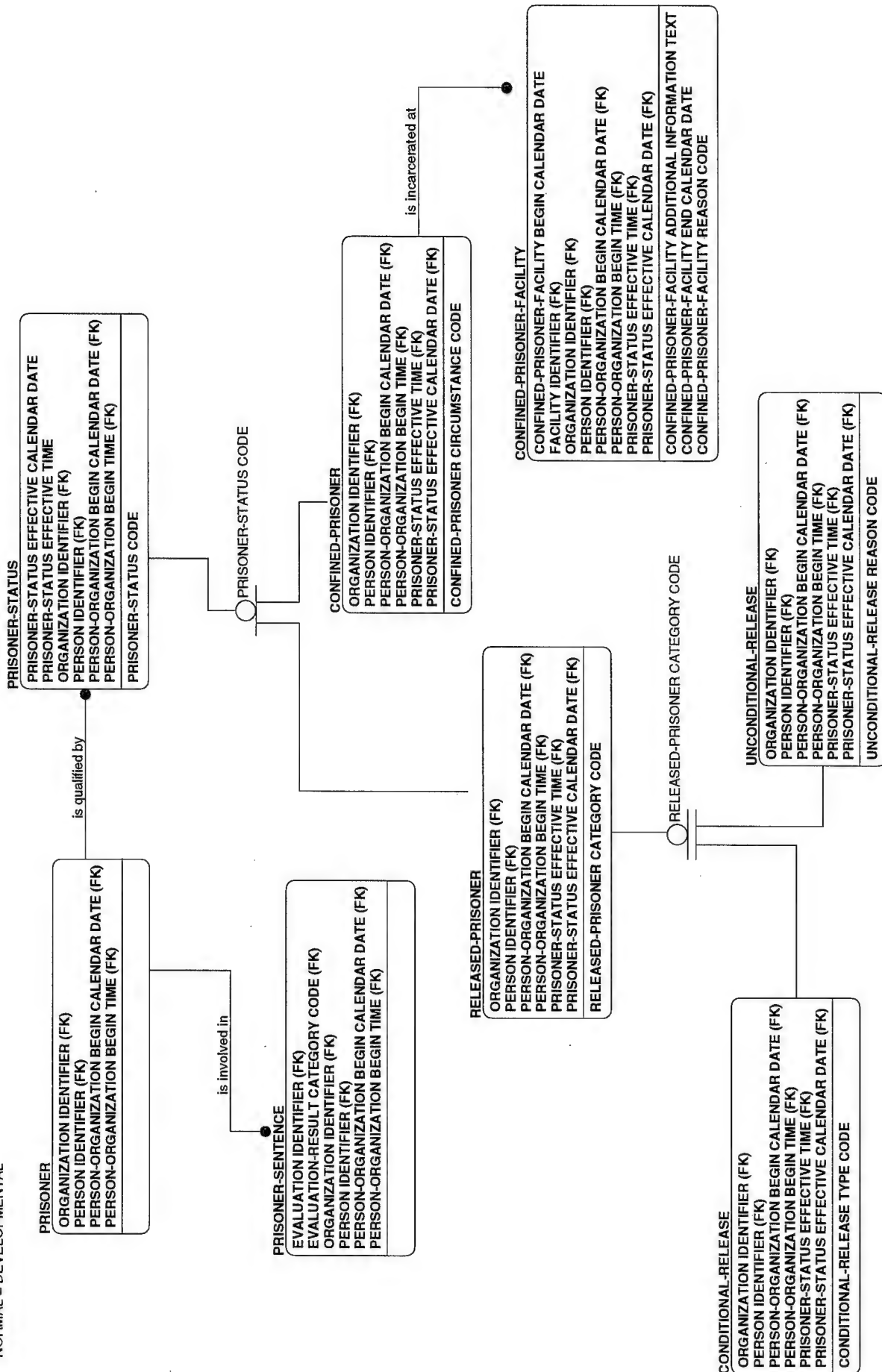


Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-31

Presentation Legend:  
BOLD = APPROVED  
ITALIC = CANDIDATE  
NORMAL = DEVELOPMENTAL



PE-32

# DOD DATA MODEL

PE-32

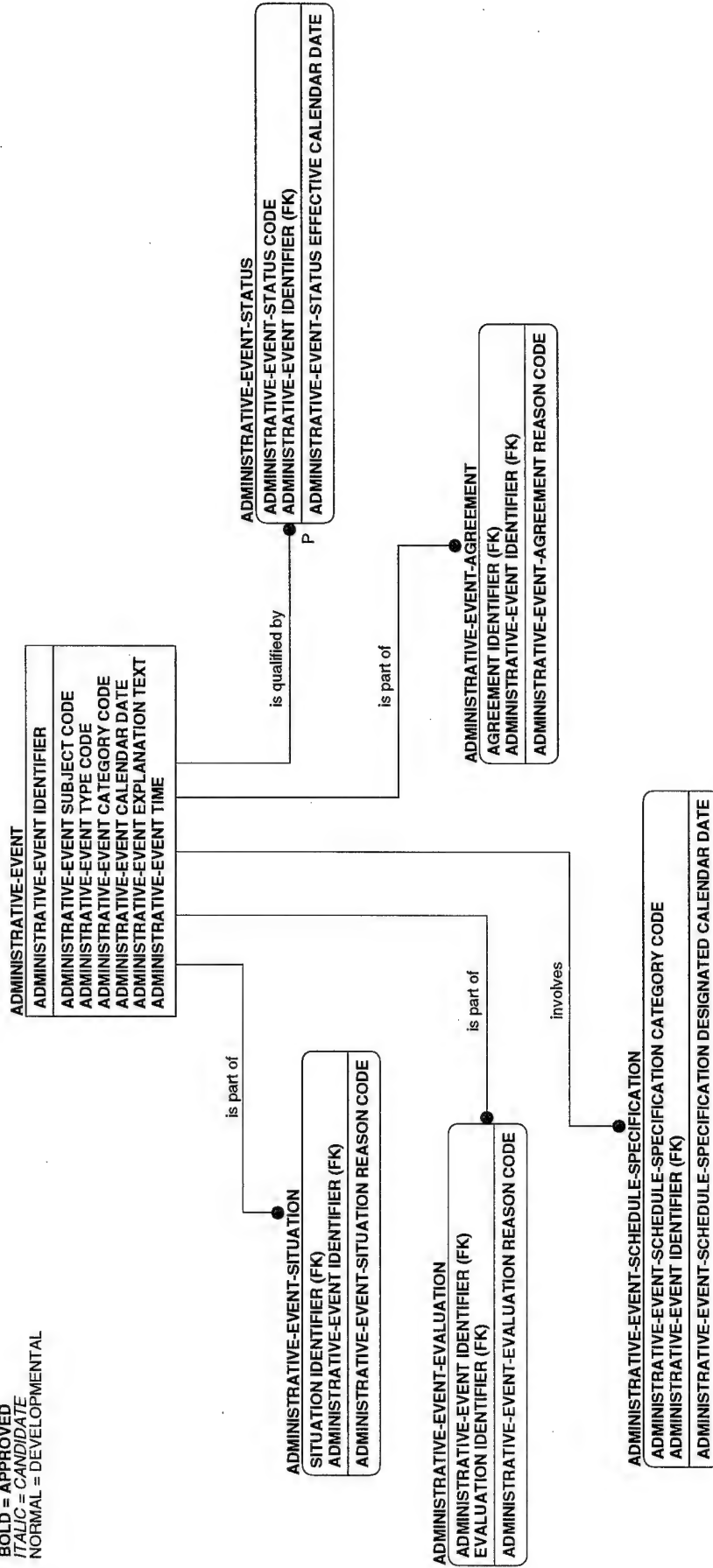
30 NOVEMBER 1998

Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

NORMAL = DEVELOPMENTAL



# Section 3.18

## Plan

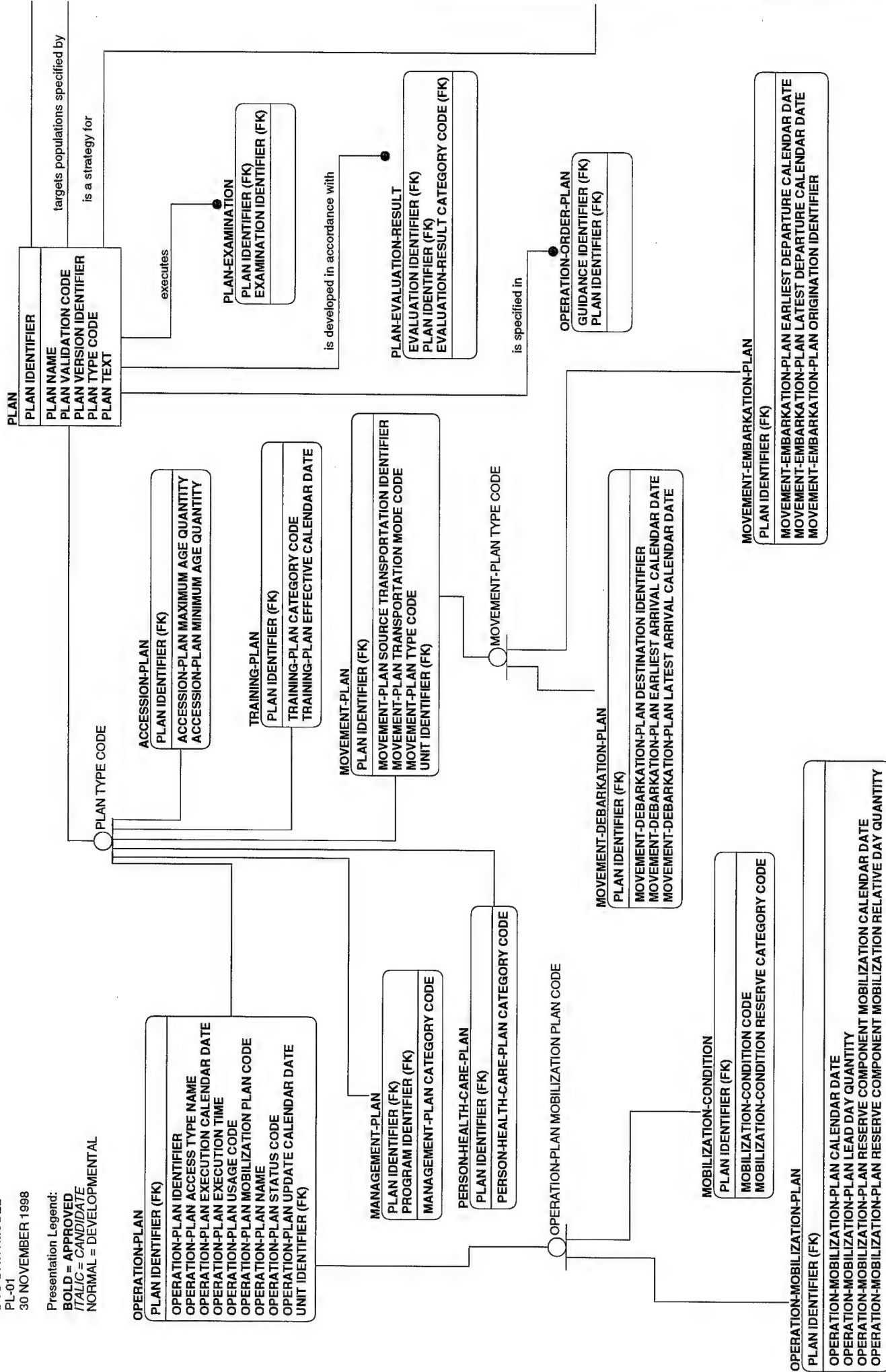
## Section 3.18 Plan Subject Area

**Purpose:** The PLAN Subject Area View identifies all the data related to PLANs and strategies (management and military operational) of importance to the DoD mission. The PLAN Subject Area View includes the data related to preparing financial budgets.

**Note:** The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

PL-01







PL-02

# DOD DATA MODEL

PL-02

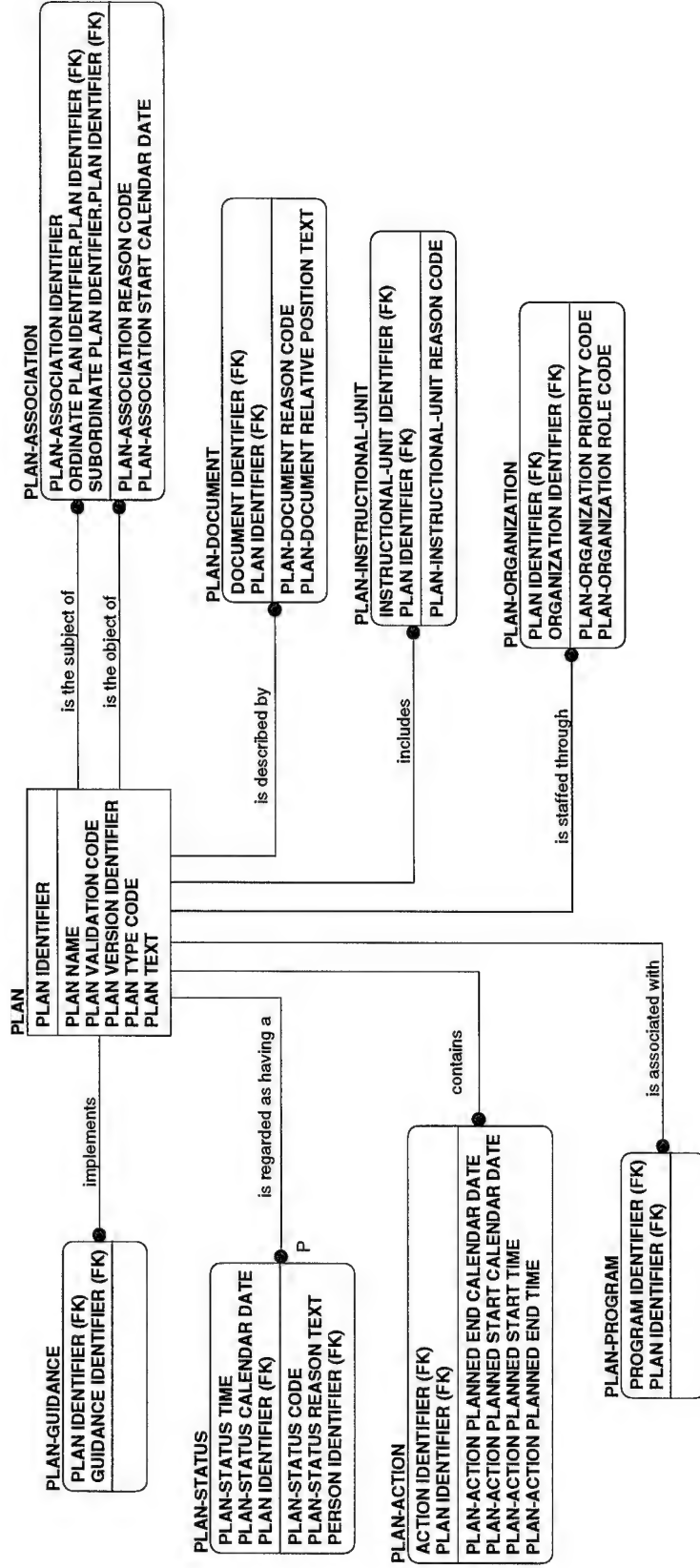
30 NOVEMBER 1998

Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

NORMAL = DEVELOPMENTAL



PL-03

# DOD DATA MODEL

PL-03

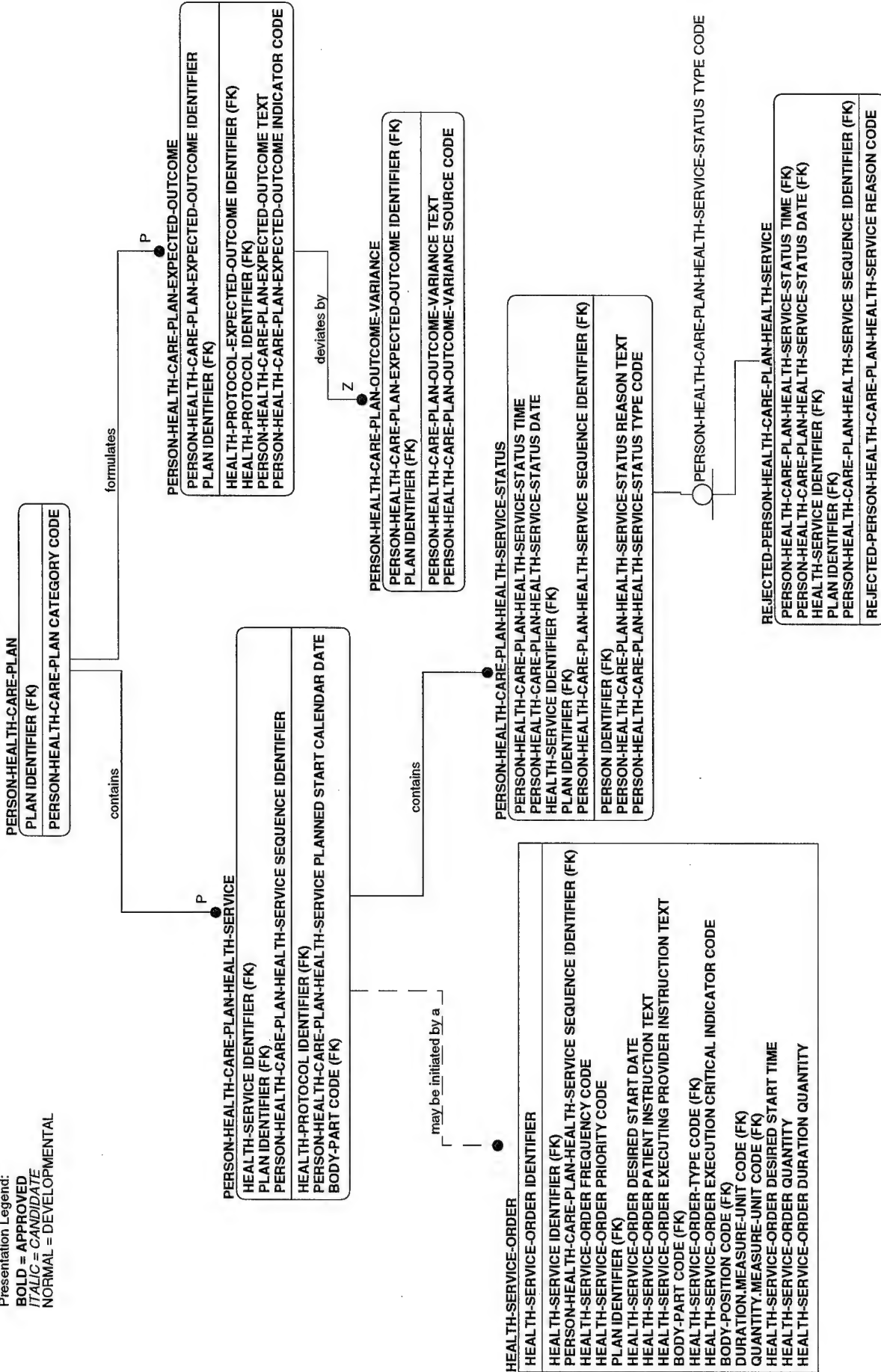
30 NOVEMBER 1998

Presentation Legend:

**BOLD** = APPROVED

*ITALIC* = CANDIDATE

NORMAL = DEVELOPMENTAL



# Section 3.19

## Situation

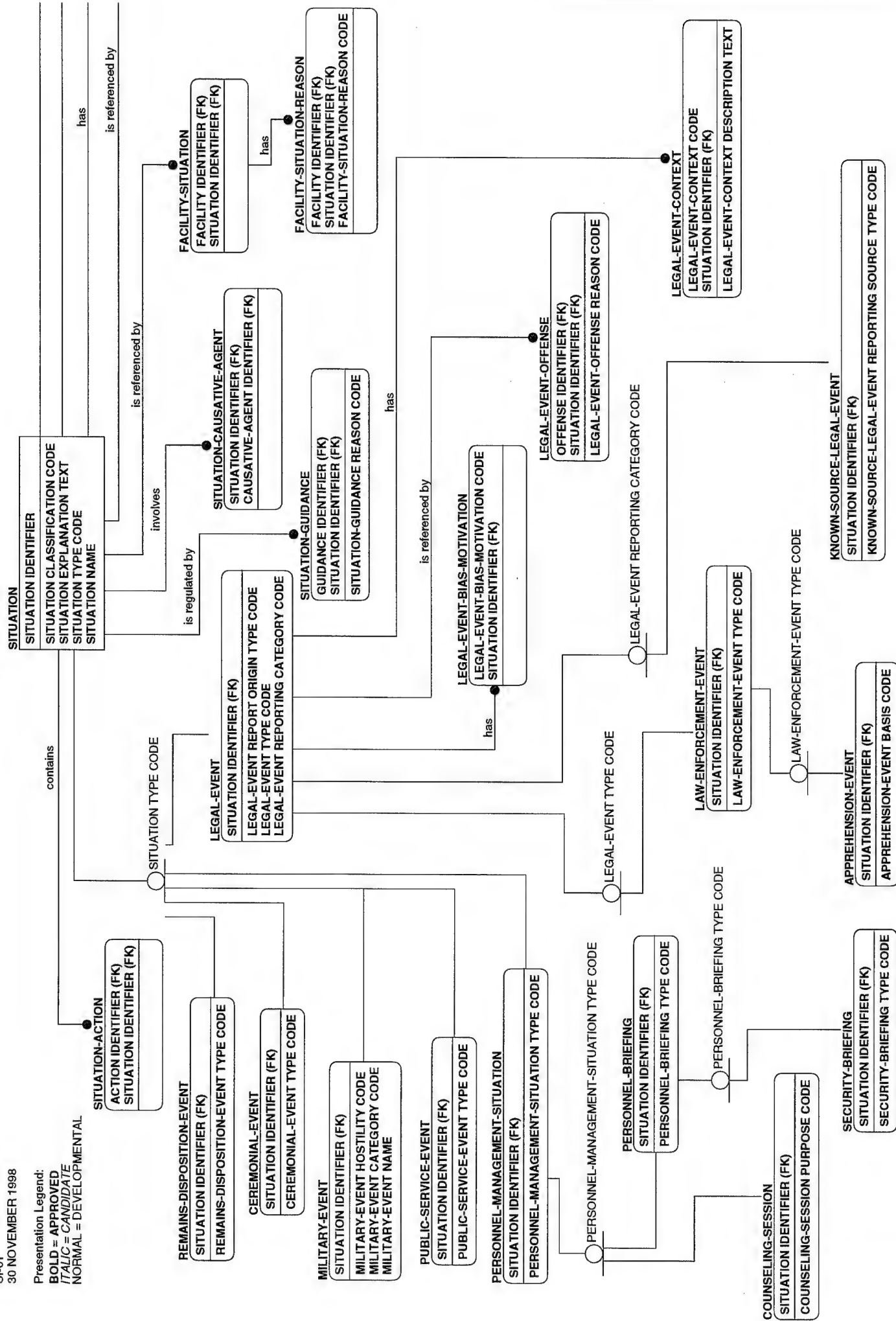
## Section 3.19      Situation Subject Area

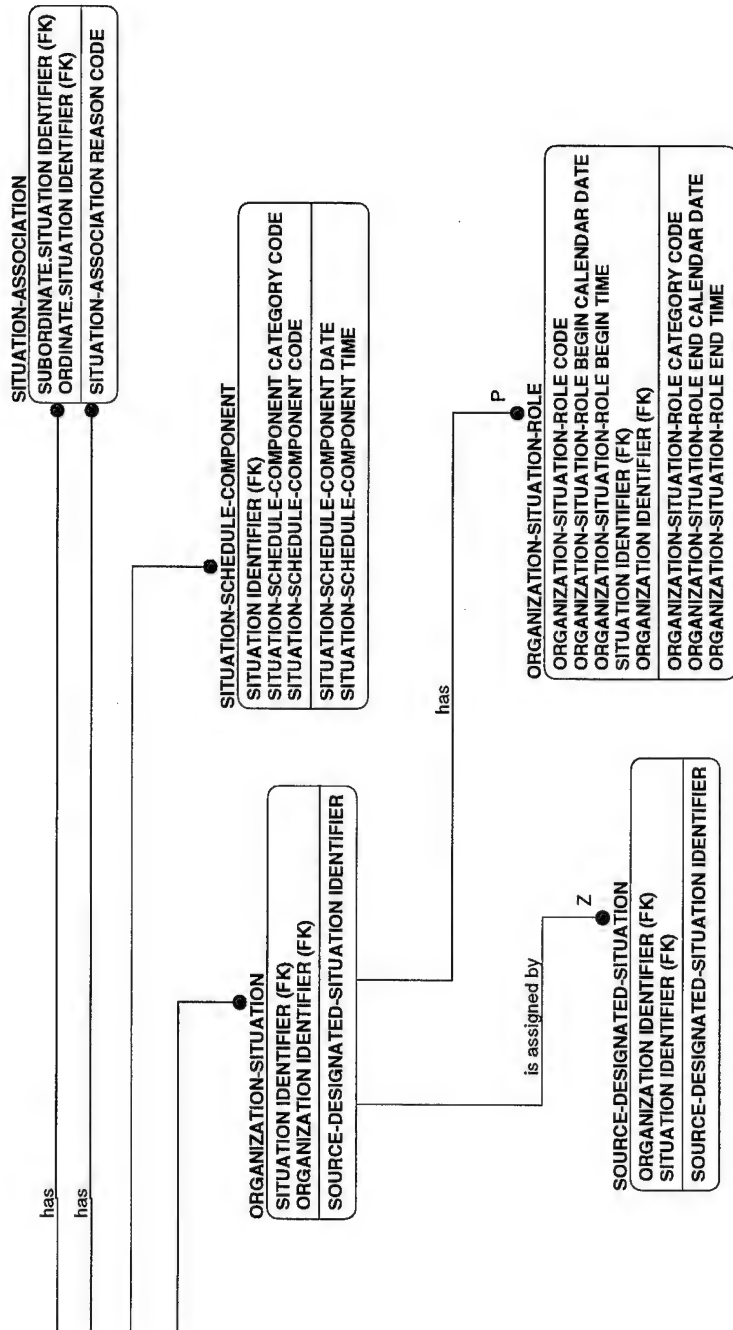
**Purpose:**      The SITUATION Subject Area View includes the data necessary to maintain visibility of world, economic, military and political events and situations important to the DoD mission. The SITUATIONs could instigate a planned and measured response providing for the common defense. This includes intelligence gathering.

**Note:**      The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.



SI-01





SI-02

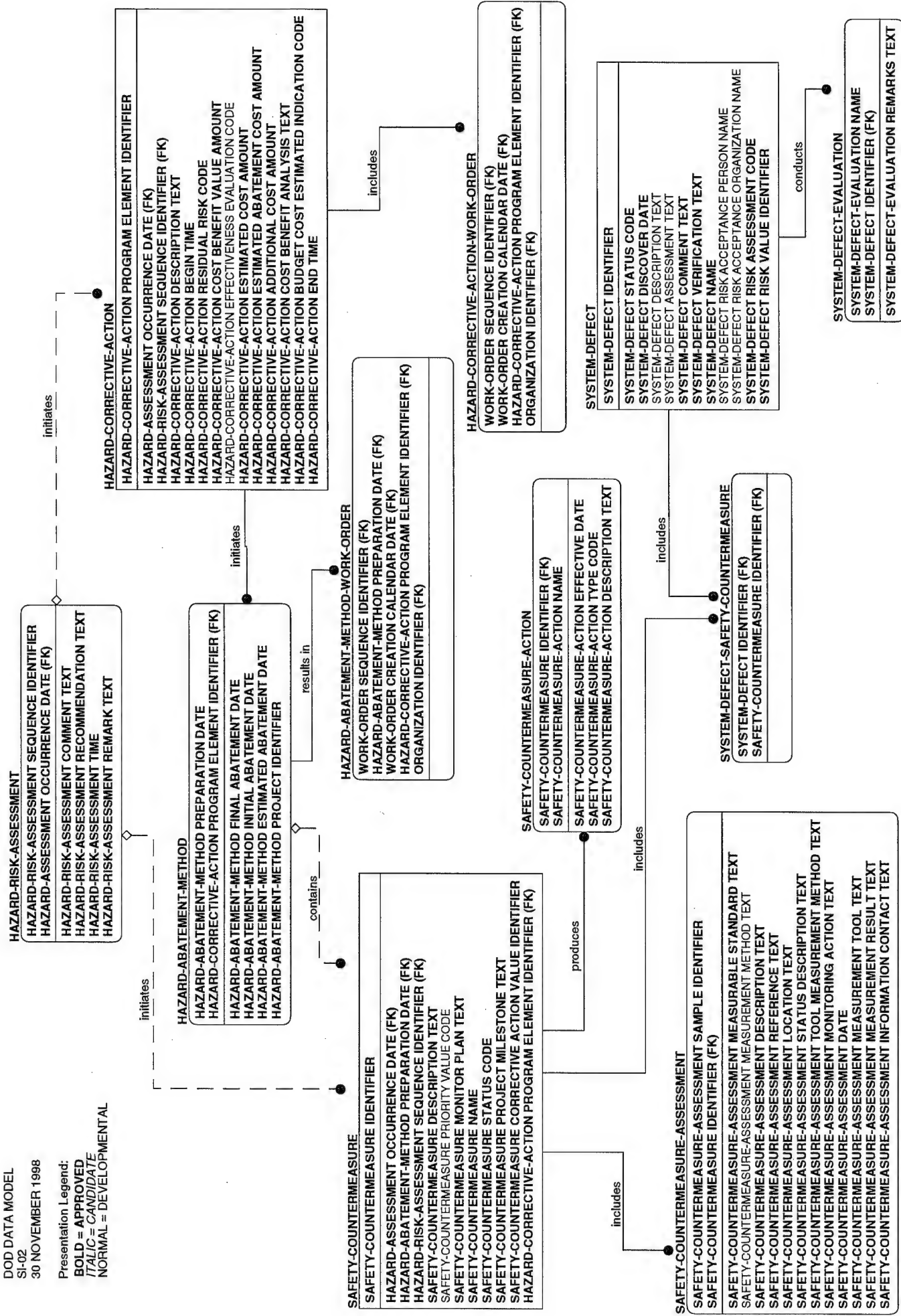
30 NOVEMBER 1998

30 NOVEMBER 1998

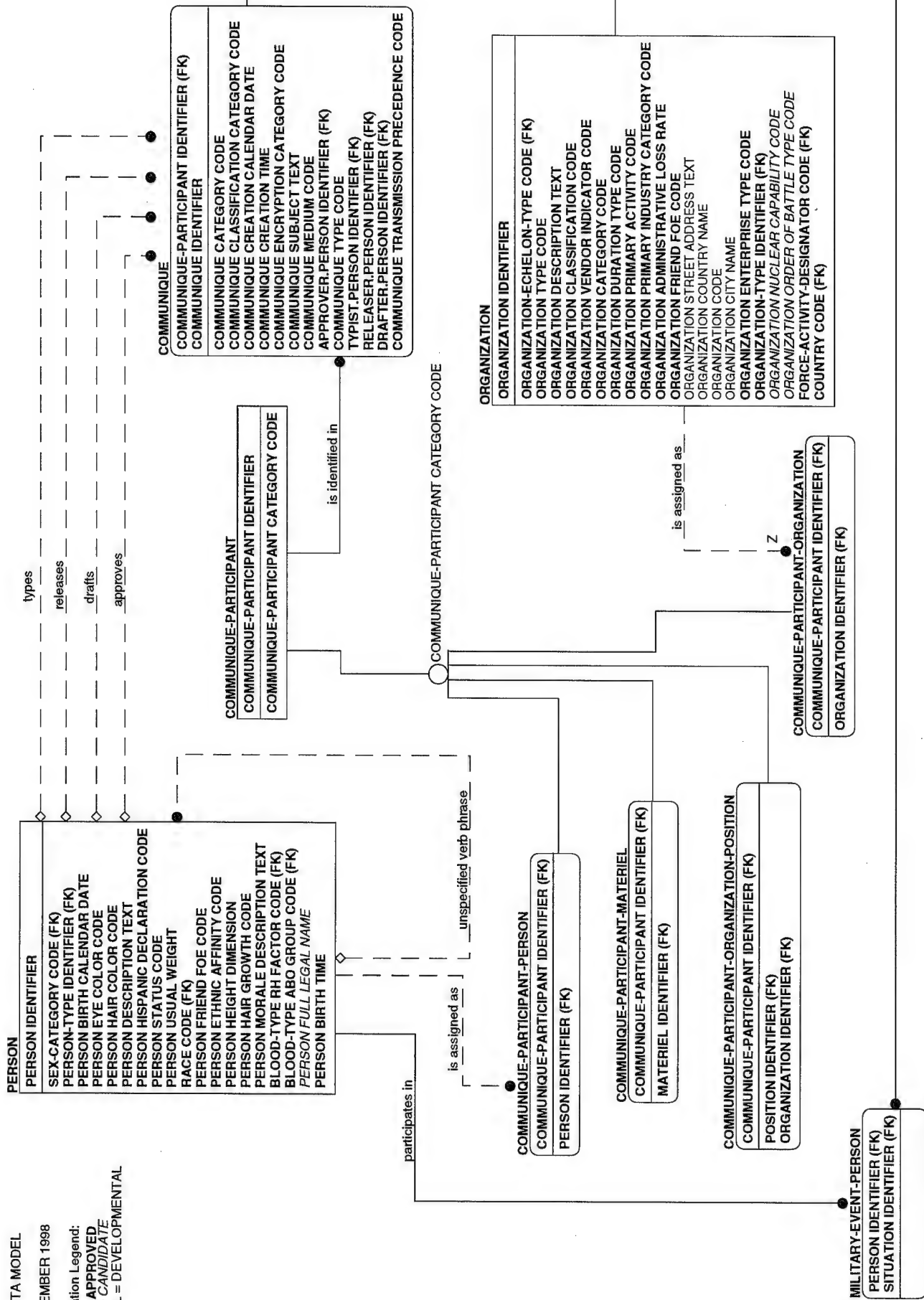
**Presentation Legend:**

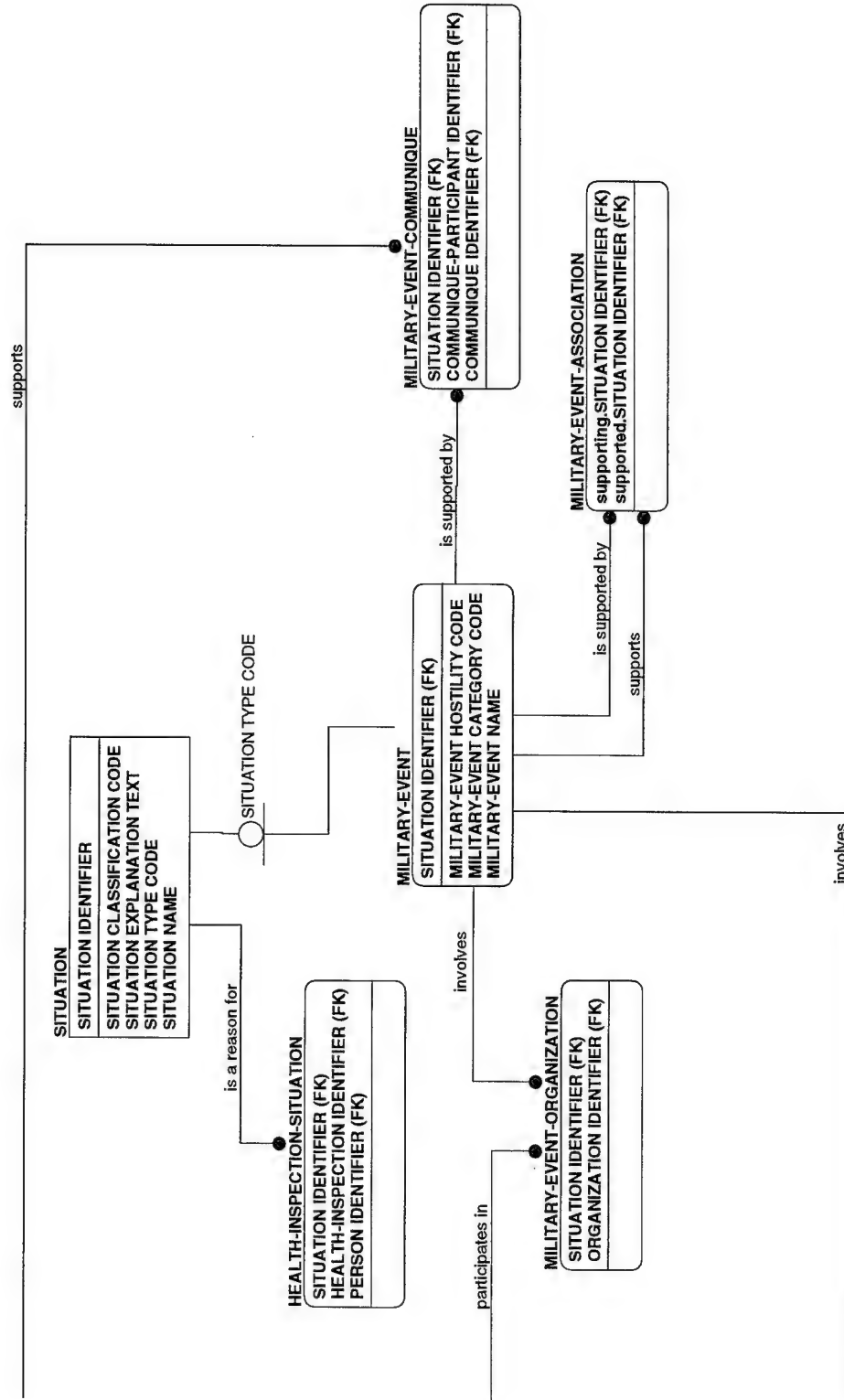
**BOLD = APPROVED**

**BOLD = APPROVED**  
*ITALIC = CANDIDATE*



SI-03



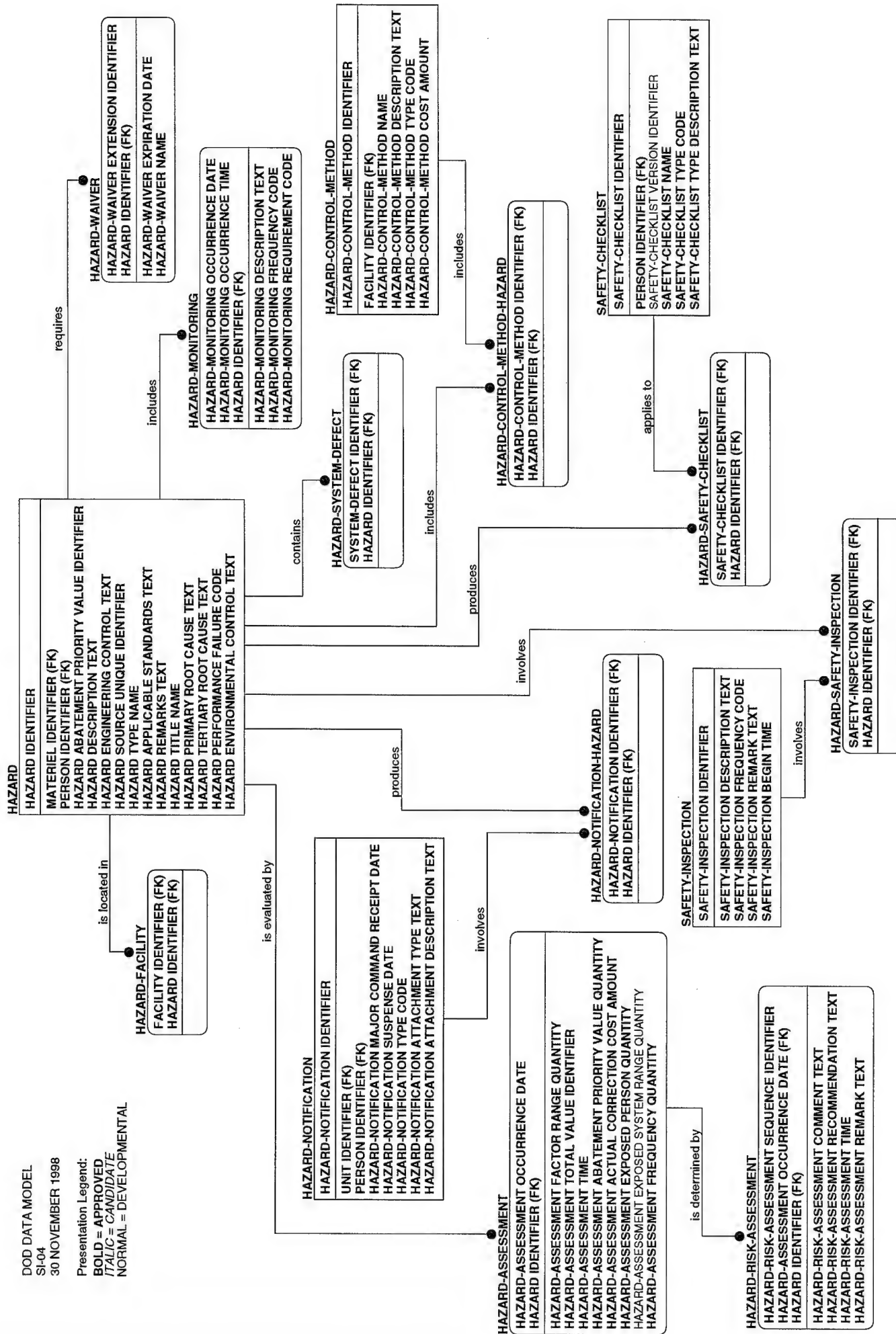




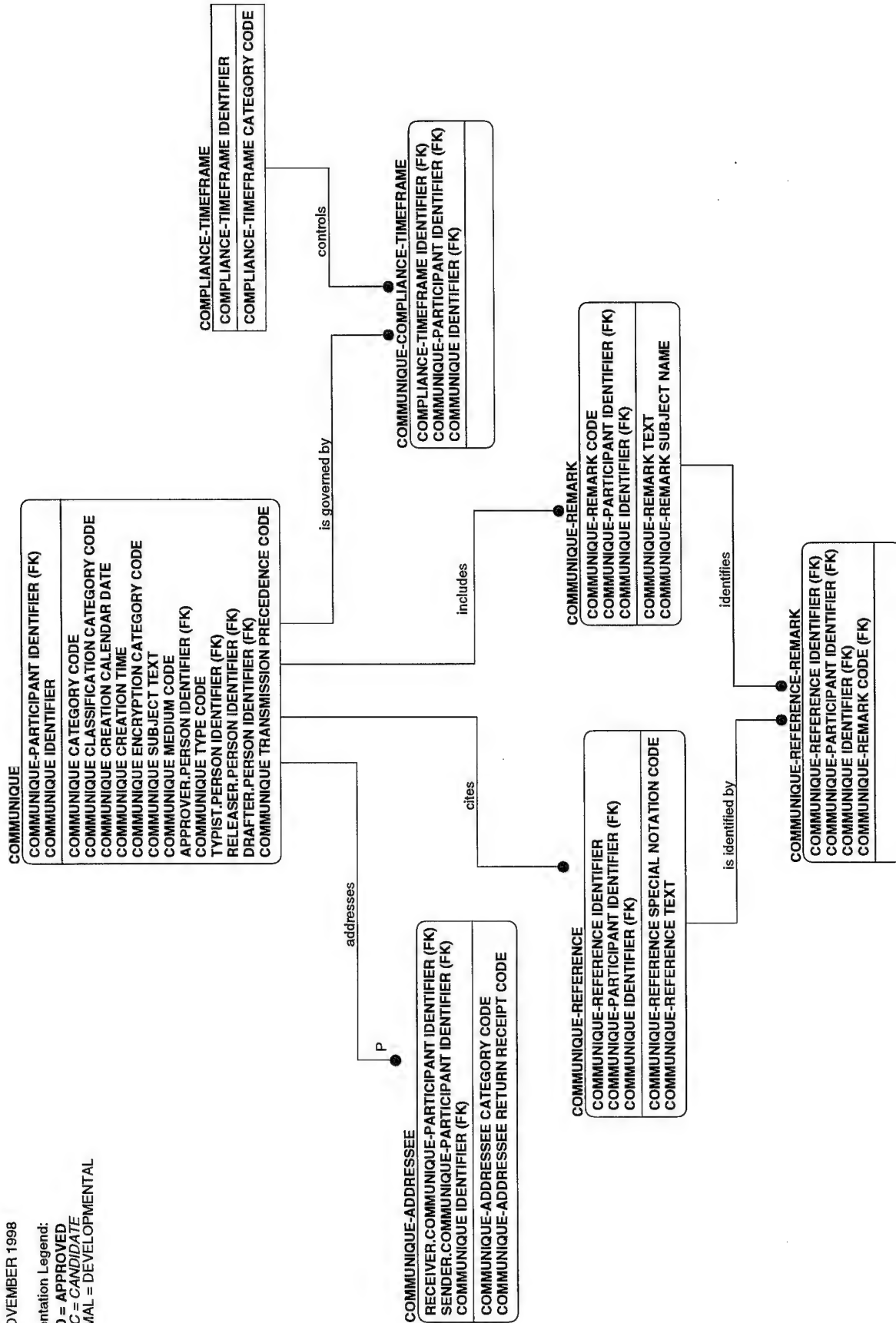
SI-04

DOD DATA MODEL  
SI-04  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



SI-05



## Section 3.20

# Transportation

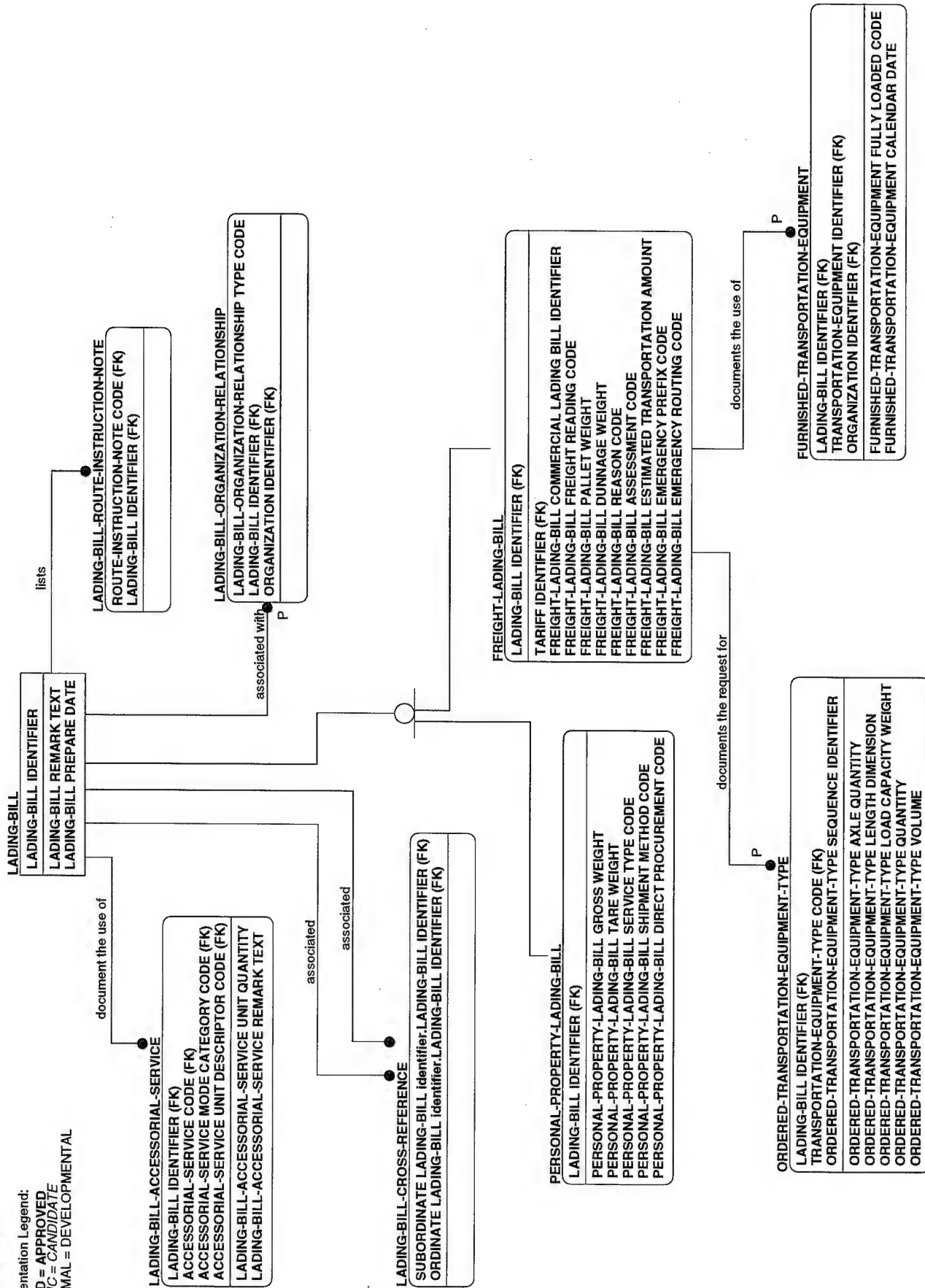
## Section 3.20    Transportation Subject Area

**Purpose:**        The TRANSPORTATION Subject Area View includes the data necessary for managing the movement of personnel, equipment, and supplies for DoD missions.

**Note:**         The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

TR-01

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





TR-02

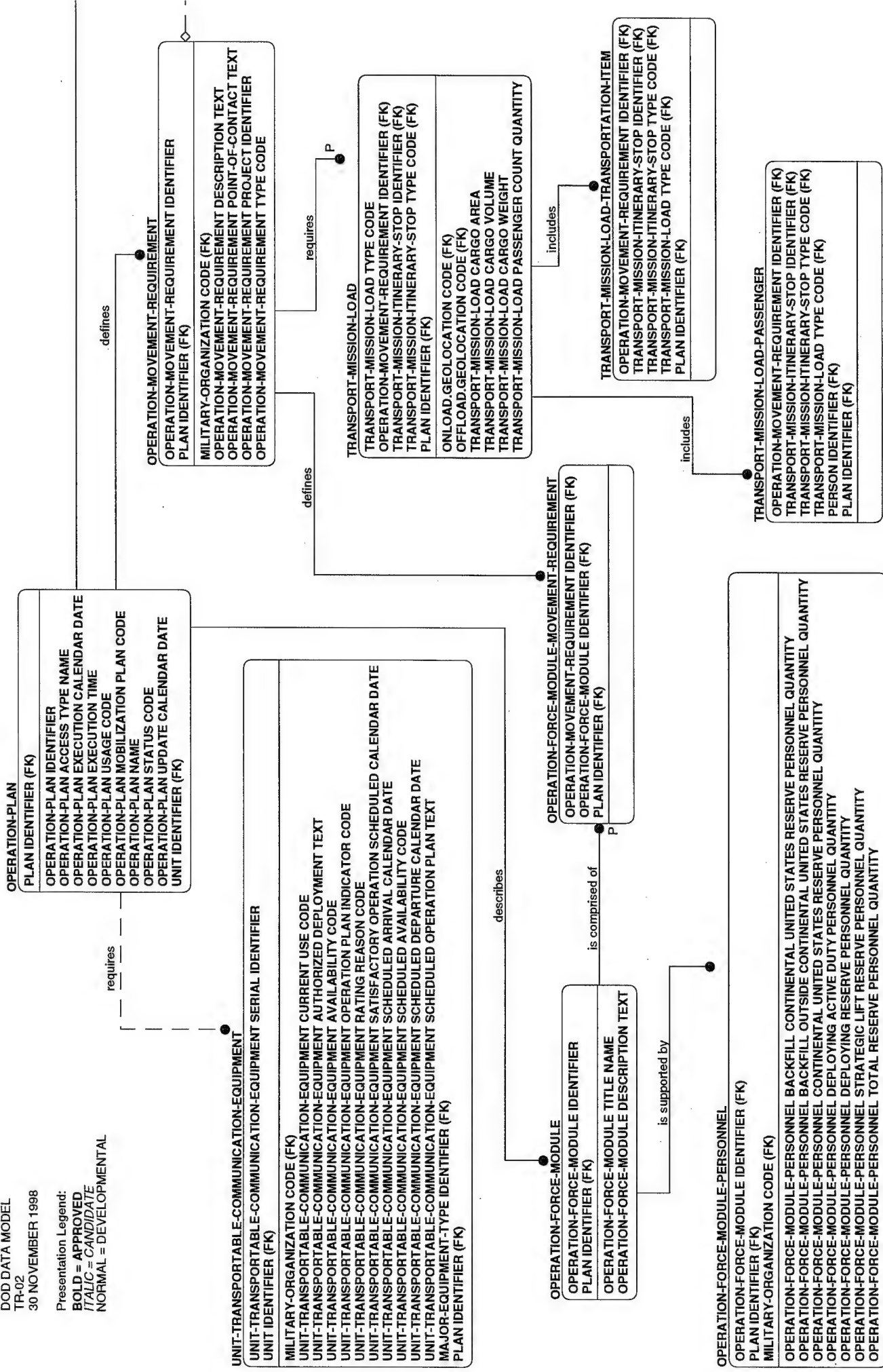
30 NOVEMBER 1998

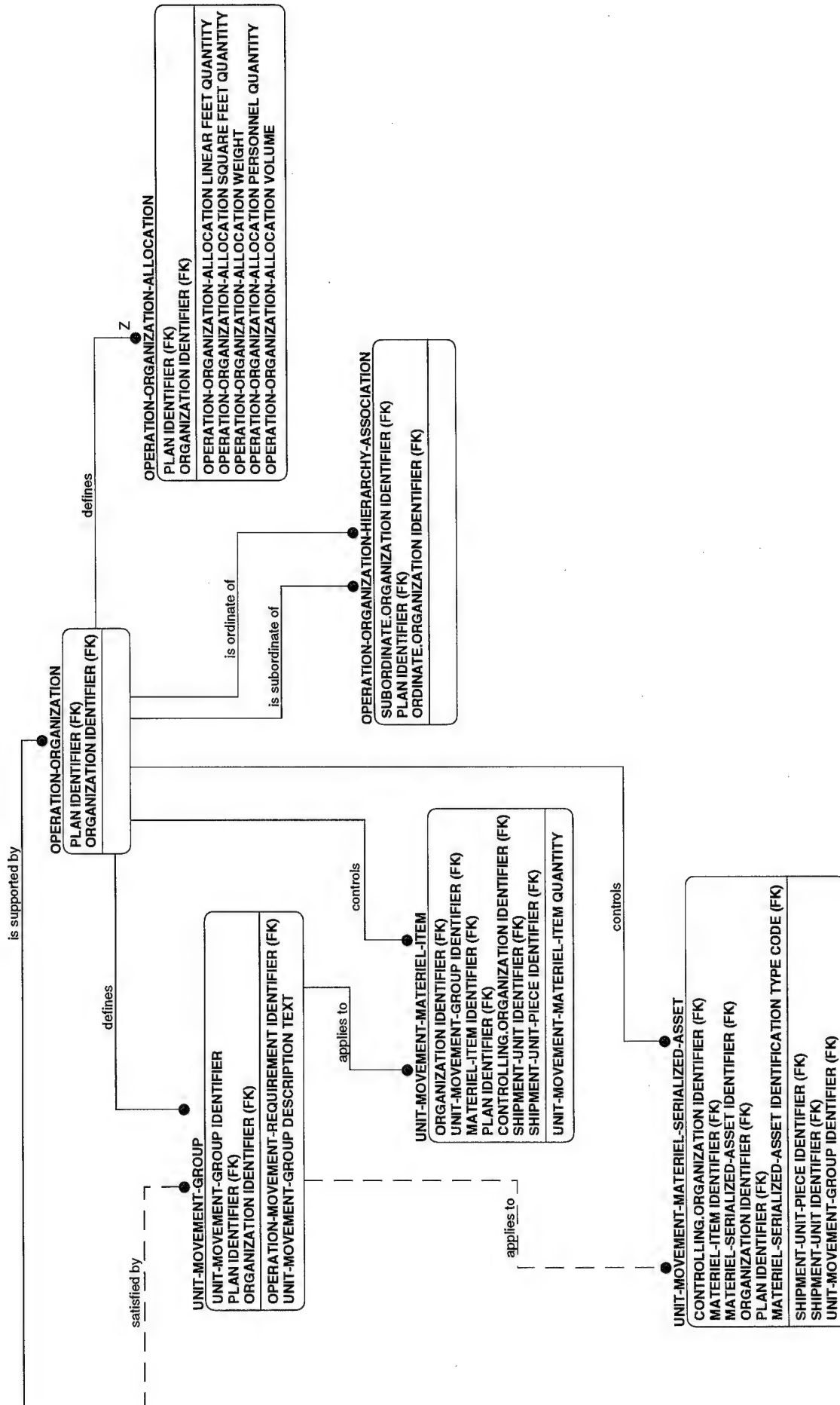
**Presentation Legend:**

**BOLD = APPROVED**

**BOLD = APPROVED**  
**ITALIC = CANDIDATE**

**NORMAL = DEVELOPMENTAL**



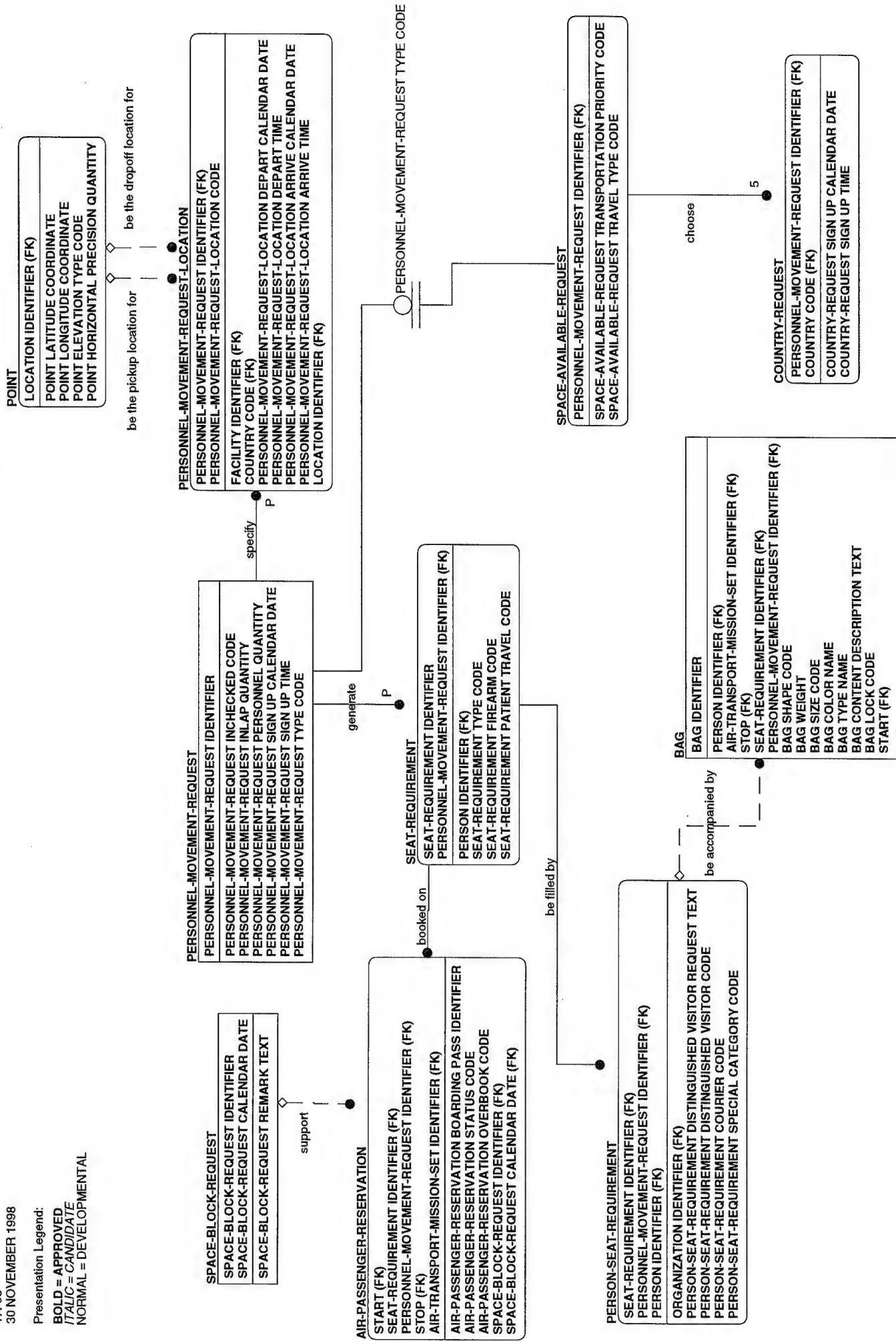


TR-03

## Presentation Legend:

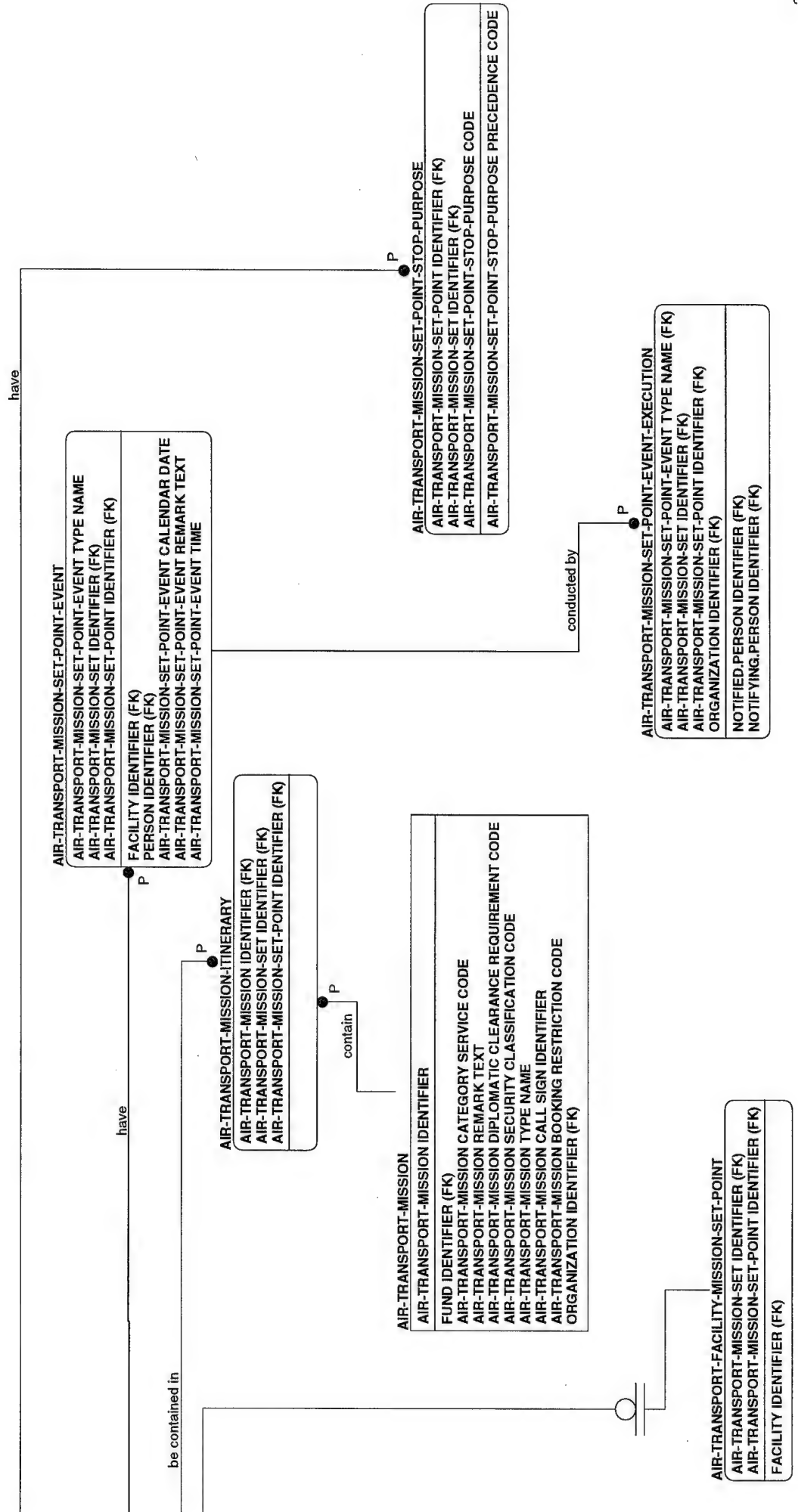
**BOLD** = APPROVED*ITALIC* = CANDIDATE

NORMAL = DEVELOPMENTAL



TR-04



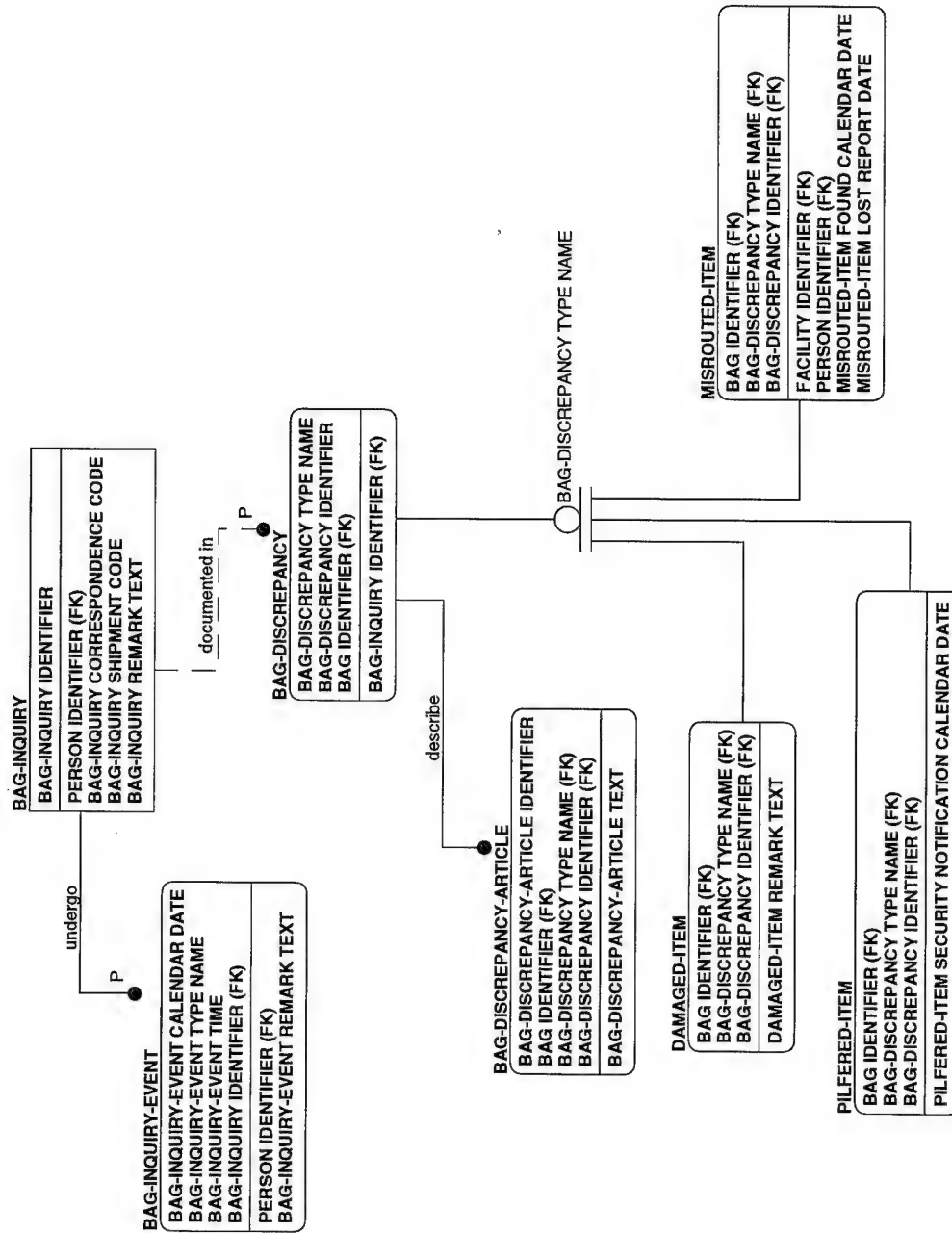




TR-05

DOD DATA MODEL  
TR-05  
30 NOVEMBER 1998

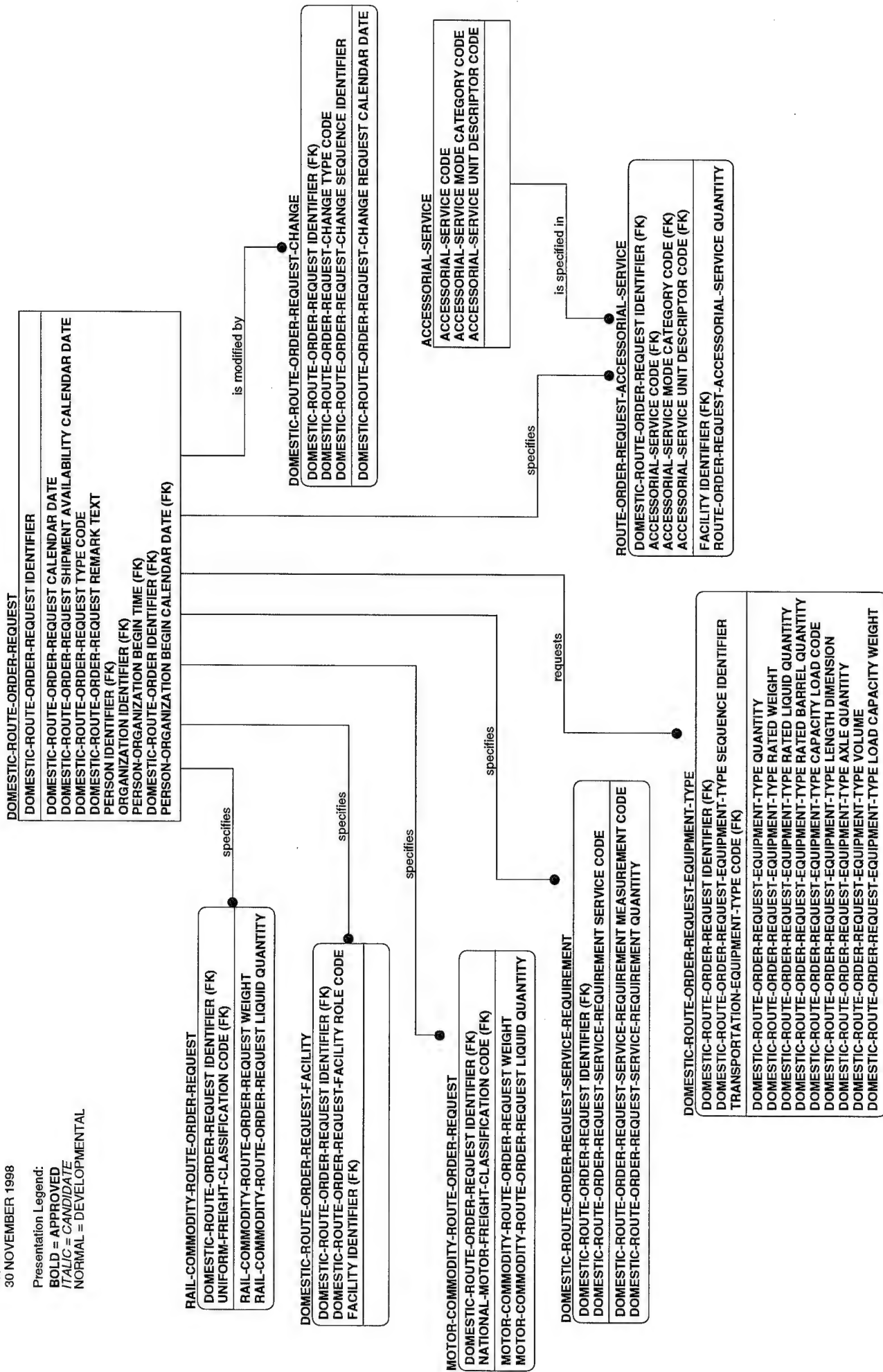
Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL



TR-06

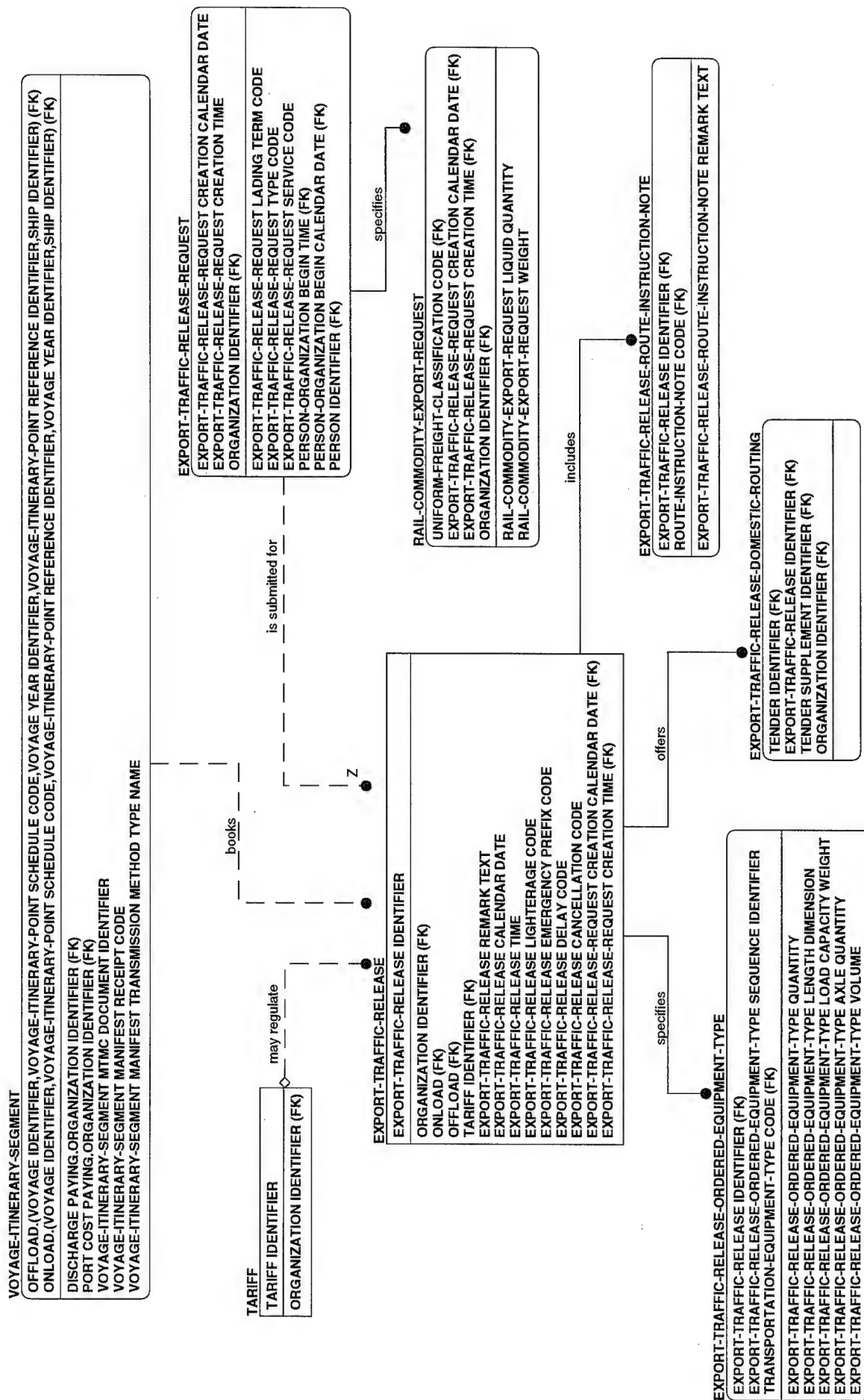
DOD DATA MODEL  
TR-06  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-07

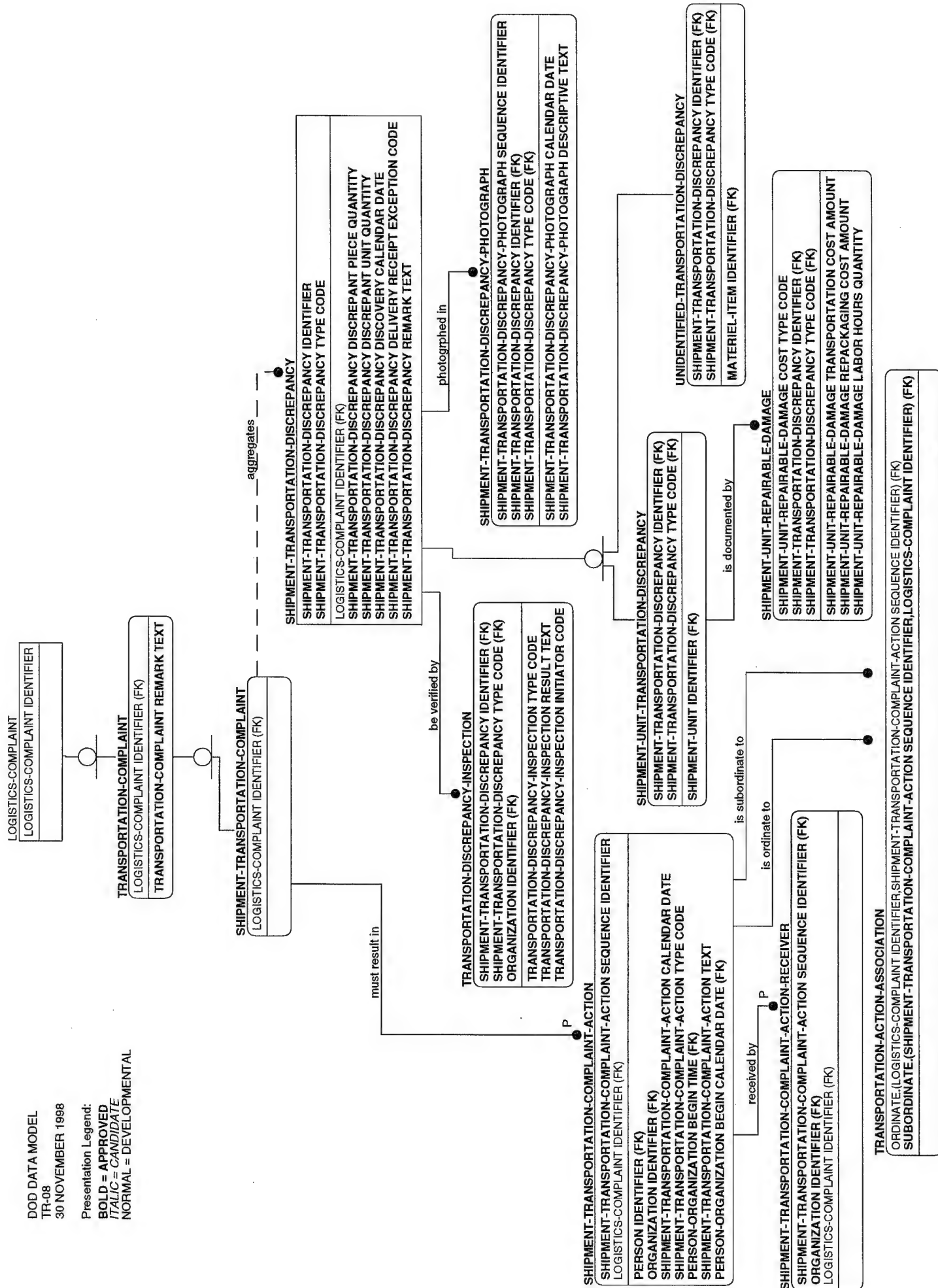
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-08

DOD DATA MODEL  
TR-08  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





TR-09

DOD DATA MODEL  
TR-09  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER  
LOGISTICS-COMPLAINT IDENTIFIER (FK)  
PERSON IDENTIFIER (FK)  
ORGANIZATION IDENTIFIER (FK)  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION CALENDAR DATE  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TYPE CODE  
PERSON-ORGANIZATION BEGIN TIME (FK)  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TEXT  
PERSON-ORGANIZATION BEGIN CALENDAR DATE (FK)

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TYPE CODE

TRANSPORTATION-INFORMATION-REQUEST

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
LOGISTICS-COMPLAINT IDENTIFIER (FK)

be referenced by

TRANSPORTATION-INFORMATION-RESPONSE

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
LOGISTICS-COMPLAINT IDENTIFIER (FK)  
TRANSPORTATION-INFORMATION-RESPONSE RECEIVED DATE  
REQUEST-FOR-INFORMATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)

NON-RESPONSE-MESSAGE

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
LOGISTICS-COMPLAINT IDENTIFIER (FK)  
REQUEST-FOR-INFORMATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)

TRANSPORTATION-CLAIM-SUBMISSION

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
LOGISTICS-COMPLAINT IDENTIFIER (FK)  
TRANSPORTATION-CLAIM-SUBMISSION TYPE CODE

is referenced by

TRANSPORTATION-CLAIM-SUBMISSION-RESPONSE

LOGISTICS-COMPLAINT IDENTIFIER (FK)  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
CLAIM-SUBMISSION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
TRANSPORTATION-CLAIM-SUBMISSION-RESPONSE REIMBURSEMENT AMOUNT

CARRIER-NOTIFICATION

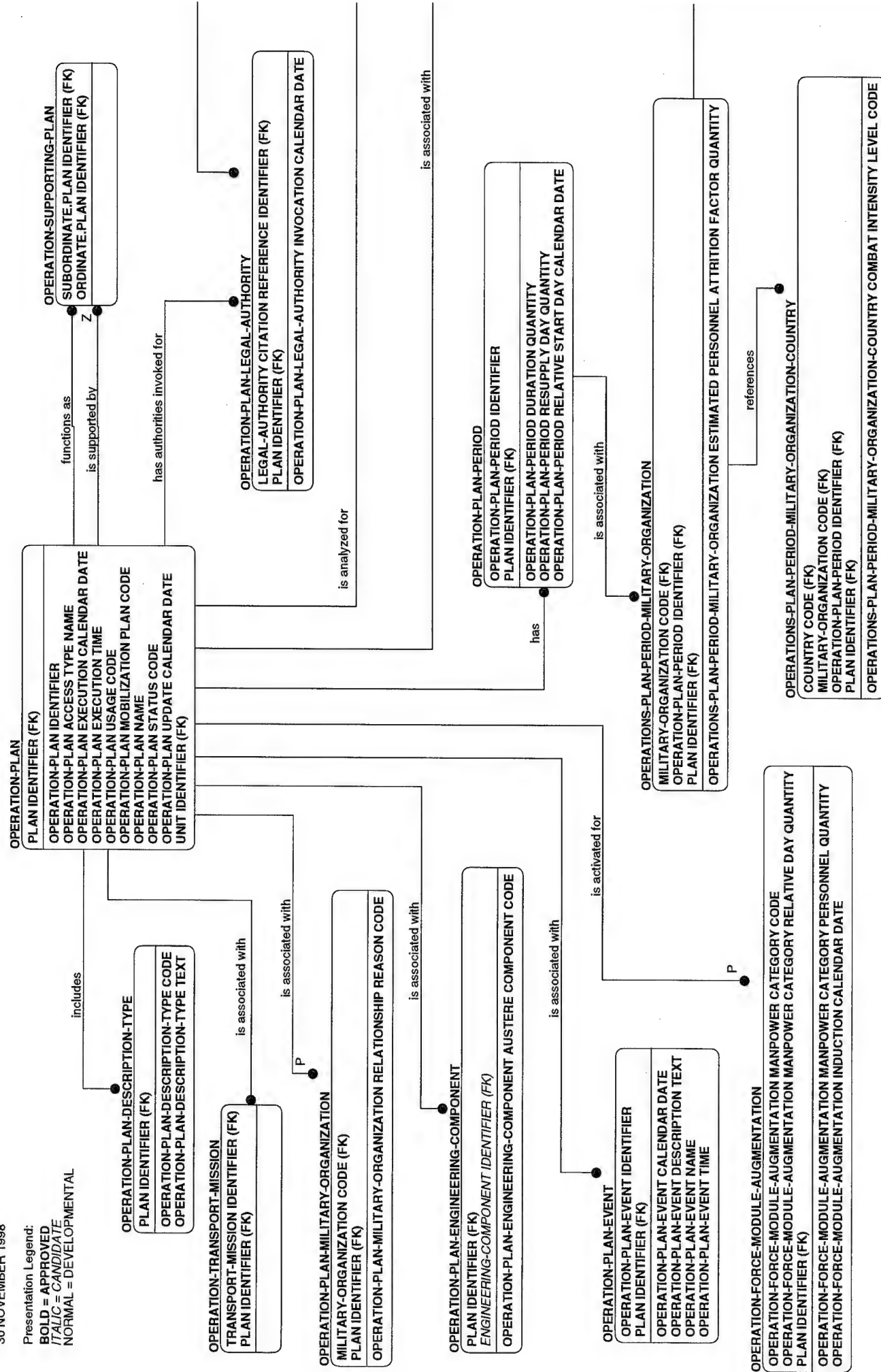
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
LOGISTICS-COMPLAINT IDENTIFIER (FK)  
CARRIER-NOTIFICATION METHOD CODE

be referenced by

CARRIER-NOTIFICATION-RESPONSE

LOGISTICS-COMPLAINT IDENTIFIER (FK)  
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
CARRIER-NOTIFICATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)  
CARRIER-NOTIFICATION-RESPONSE CALENDAR DATE  
CARRIER-NOTIFICATION-RESPONSE REPRESENTATIVE TEXT  
CARRIER-NOTIFICATION-RESPONSE WAIVER CODE  
CARRIER-NOTIFICATION-RESPONSE WAIVER TYPE CODE

TR-10



LEGAL-AUTHORITY

LEGAL-AUTHORITY CITATION REFERENCE IDENTIFIER
GUIDANCE IDENTIFIER (FK)
LEGAL-AUTHORITY DESCRIPTION TEXT
LEGAL-AUTHORITY DURATION TEXT
LEGAL-AUTHORITY INVOCATION AUTHORITY TEXT
LEGAL-AUTHORITY MOBILIZATION ACTIVITY NAME

is invoked for

OPERATION-PLAN-ENGINEERING-ANALYSIS

OPERATION-PLAN-ENGINEERING-ANALYSIS IDENTIFIER
PLAN IDENTIFIER (FK)
OPERATION-PLAN-ENGINEERING-ANALYSIS END RELATIVE DAY QUANTITY
OPERATION-PLAN-ENGINEERING-ANALYSIS START RELATIVE DAY QUANTITY
OPERATION-PLAN-ENGINEERING-ANALYSIS REGION IDENTIFIER
OPERATION-PLAN-ENGINEERING-ANALYSIS AUSTRERE COMPONENT CODE
OPERATION-PLAN-ENGINEERING-ANALYSIS CLIMATIC FACTOR CODE
OPERATION-PLAN-ENGINEERING-ANALYSIS REGIONAL ENGINEER USE CODE
OPERATION-PLAN-ENGINEERING-ANALYSIS WAR DAMAGE ASSESSMENT CODE

is analyzed for

OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT

OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT FACILITY CODE
OPERATION-PLAN-ENGINEERING-ANALYSIS IDENTIFIER (FK)
PLAN IDENTIFIER (FK)
OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT NECESSITY CODE

OPERATIONS-PLAN-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION

SUBORDINATE.GEOLOCATION CODE (FK)
ordinate (FK)
subordinate (FK)
MILITARY-ORGANIZATION CODE (FK)
GEOLOCATION CODE (FK)
PLAN IDENTIFIER (FK)
OPERATIONS-PLAN-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION REPLACEMENT PERSONNEL PERCENTAGE RATE

is associated with

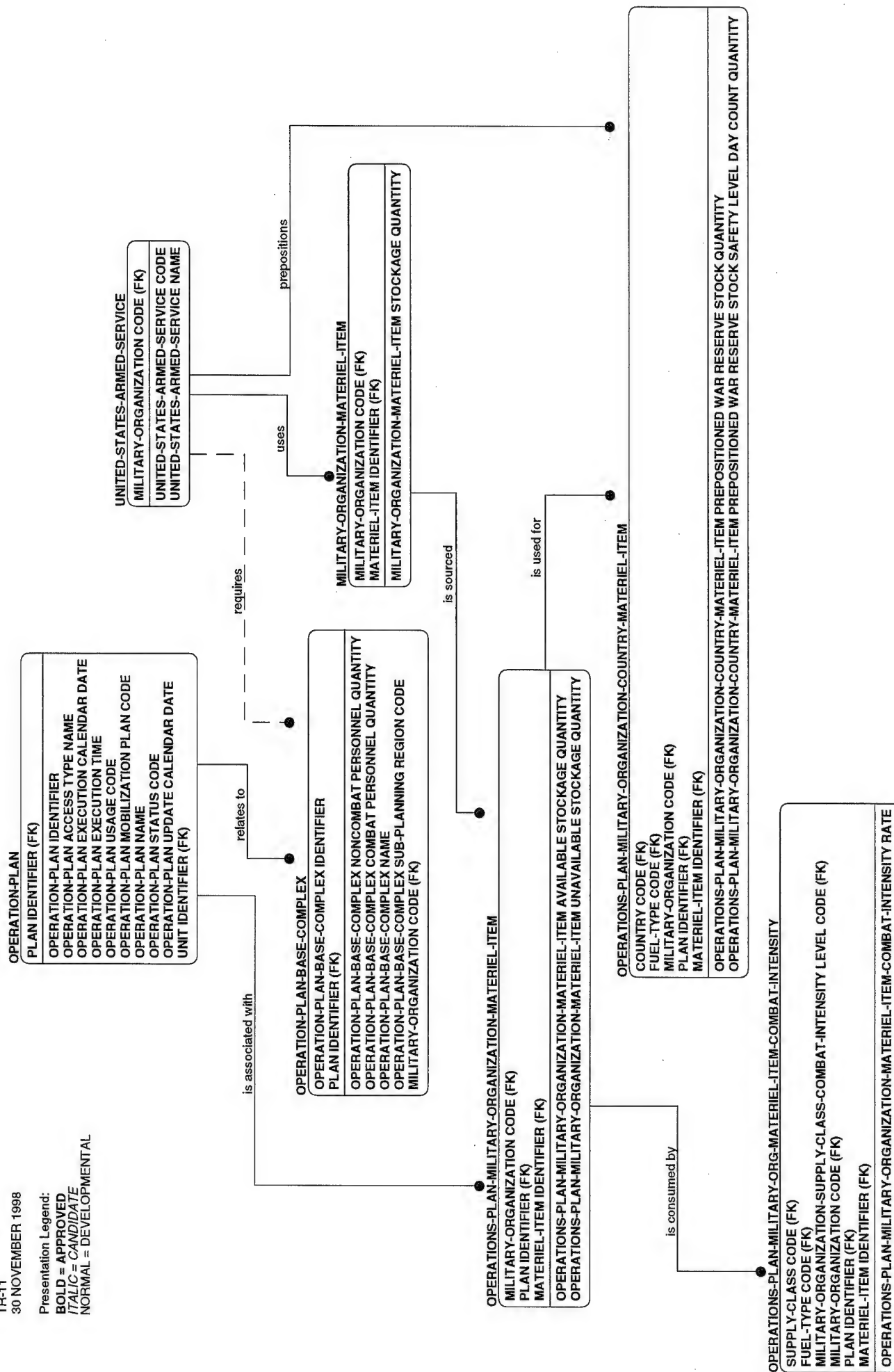
OPERATIONS-PLAN-PERIOD-MILITARY-ORG-GEOLOCATION-ASSOCIATION

GEOLOCATION CODE (FK)
ordinate (FK)
subordinate (FK)
MILITARY-ORGANIZATION CODE (FK)
OPERATION-PLAN-PERIOD IDENTIFIER (FK)
PLAN IDENTIFIER (FK)
OPERATIONS-PLAN-PERIOD-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION FREE WORLD MILITARY ASSISTANCE FORCE PERSONNEL QUANTITY

TR-11

DOD DATA MODEL  
TR-11  
30 NOVEMBER 1998

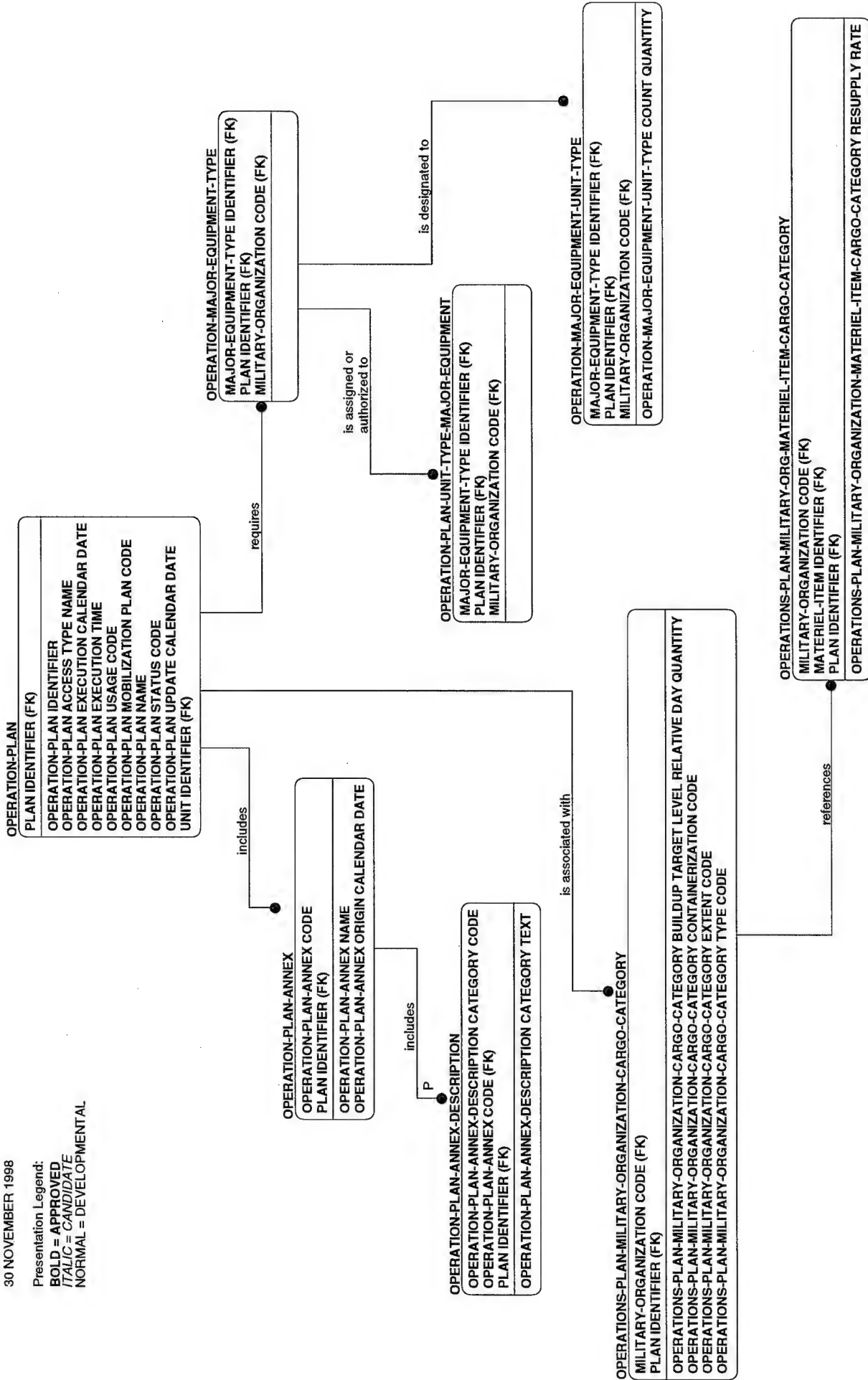
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-12

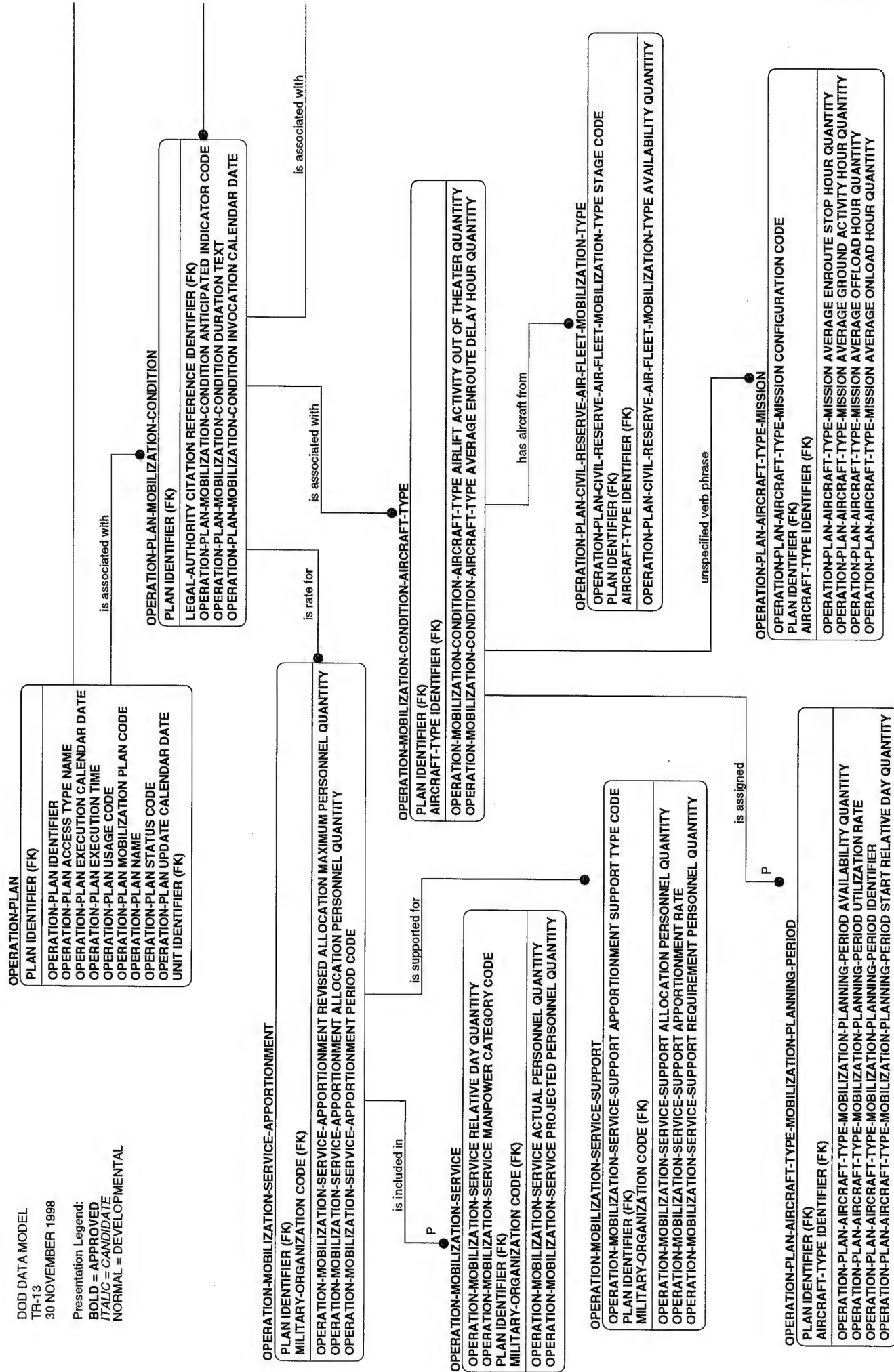


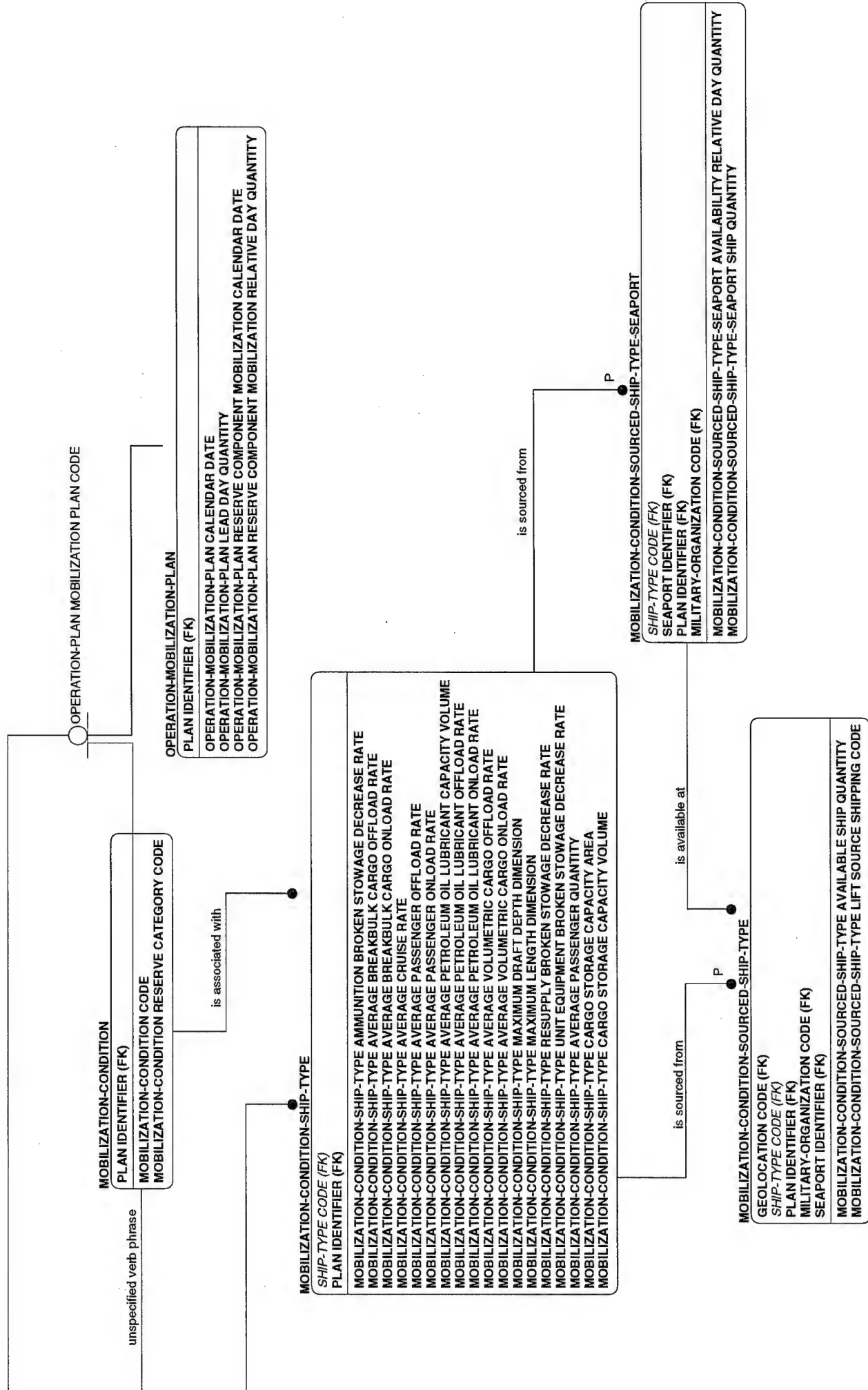
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-13

**Presentation Legend:**  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
 NORMAL = DEVELOPMENTAL





TR-14



# OPERATION-FORCE-REQUIREMENT-ASSOCIATION

ORDINATE.OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
SUBORDINATE.OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
PLAN IDENTIFIER (FK)

is parent of

is child of

## OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM

OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM NAME
OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
OPERATION-FORCE-REQUIREMENT-CARGO CONTAINERIZATION CODE (FK)
MATERIEL-ITEM IDENTIFIER (FK)
OPERATION-FORCE-REQUIREMENT-CARGO TYPE CODE (FK)
OPERATION-FORCE-REQUIREMENT-CARGO EXTENT CODE (FK)
PLAN IDENTIFIER (FK)
EQUIPMENT-TYPE IDENTIFIER (FK)
OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM QUANTITY

includes

P

## OPERATION-PLAN-UNIT

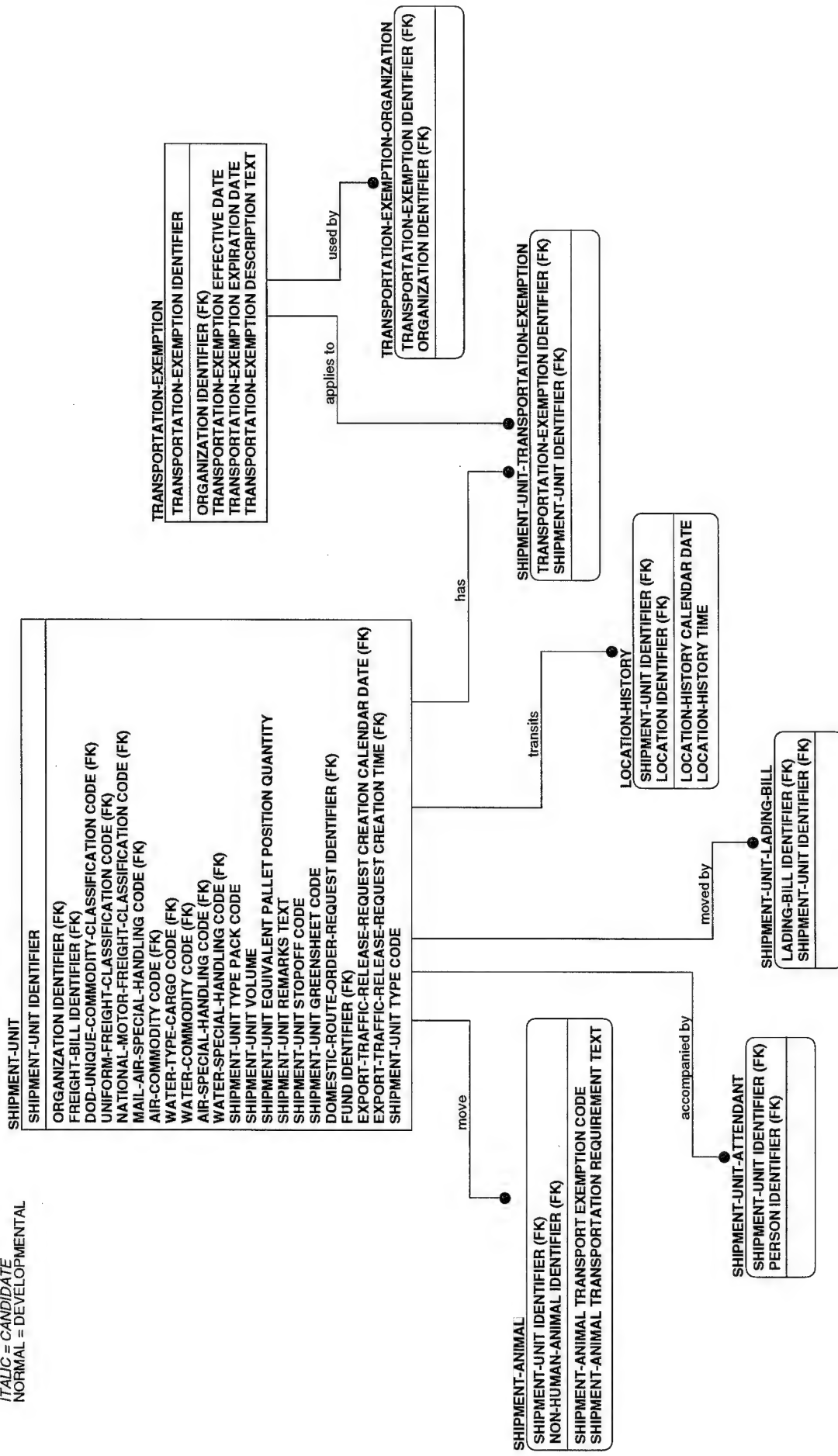
OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
PLAN IDENTIFIER (FK)
UNIT IDENTIFIER (FK)
OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE CODE
OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE CALENDAR DATE
OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE TIME
OPERATION-PLAN-UNIT LOADED DEPLOYABILITY POSTURE RELATIVE DAY QUANTITY
OPERATION-PLAN-UNIT STATUS CODE

## OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM

MATERIEL-ITEM IDENTIFIER (FK)
OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
OPERATION-FORCE-REQUIREMENT-CARGO CONTAINERIZATION CODE (FK)
OPERATION-FORCE-REQUIREMENT-CARGO TYPE CODE (FK)
OPERATION-FORCE-REQUIREMENT-CARGO EXTENT CODE (FK)
OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM NAME (FK)
PLAN IDENTIFIER (FK)
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM EQUIPMENT HAZARDOUS MATERIAL CODE
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM EQUIVALENT NET EXPLOSIVE WEIGHT
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM HEIGHT DIMENSION
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM LENGTH DIMENSION
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM REQUIRED AREA
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM VOLUME
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM WIDTH DIMENSION
OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM WEIGHT

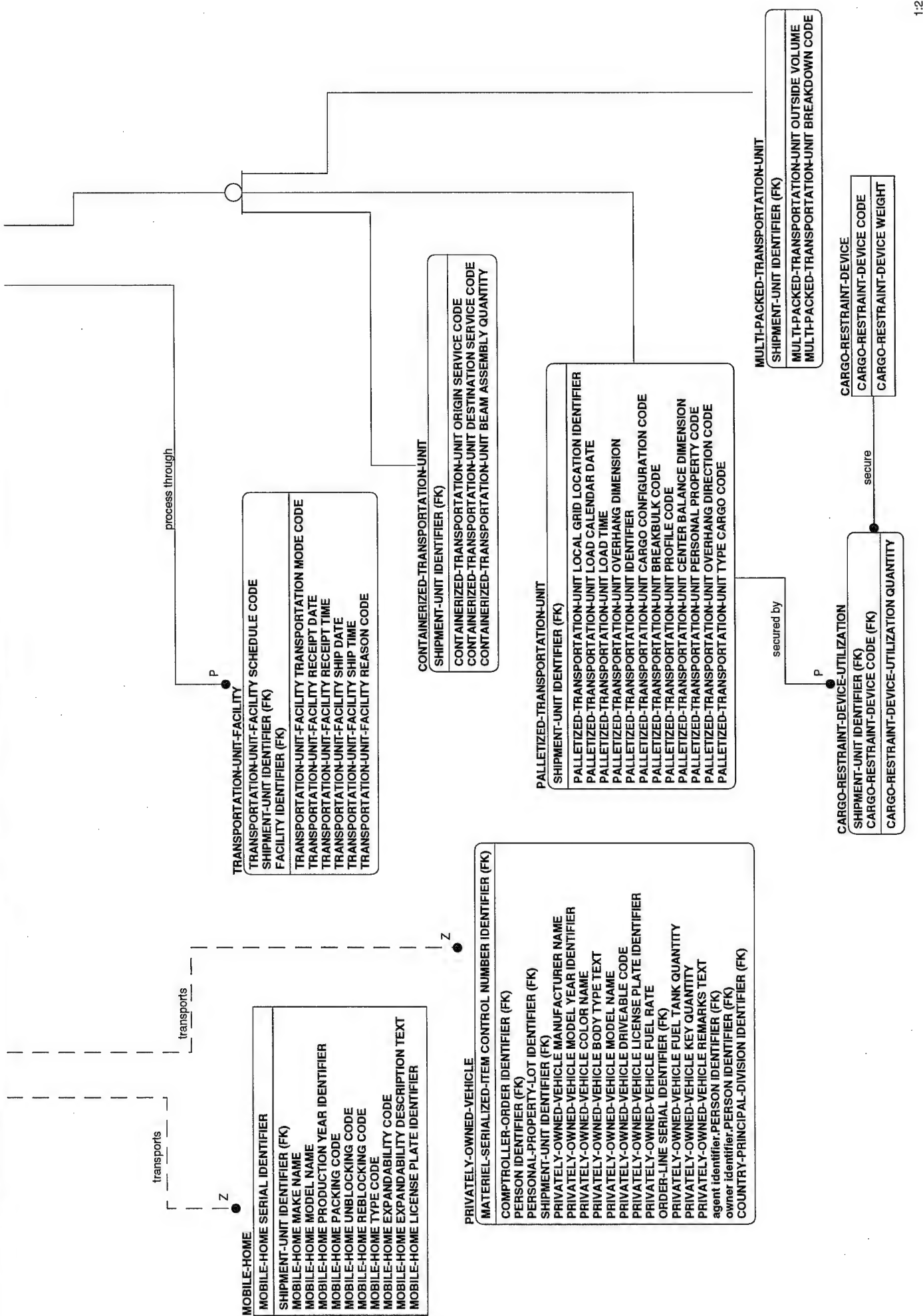
TR-15





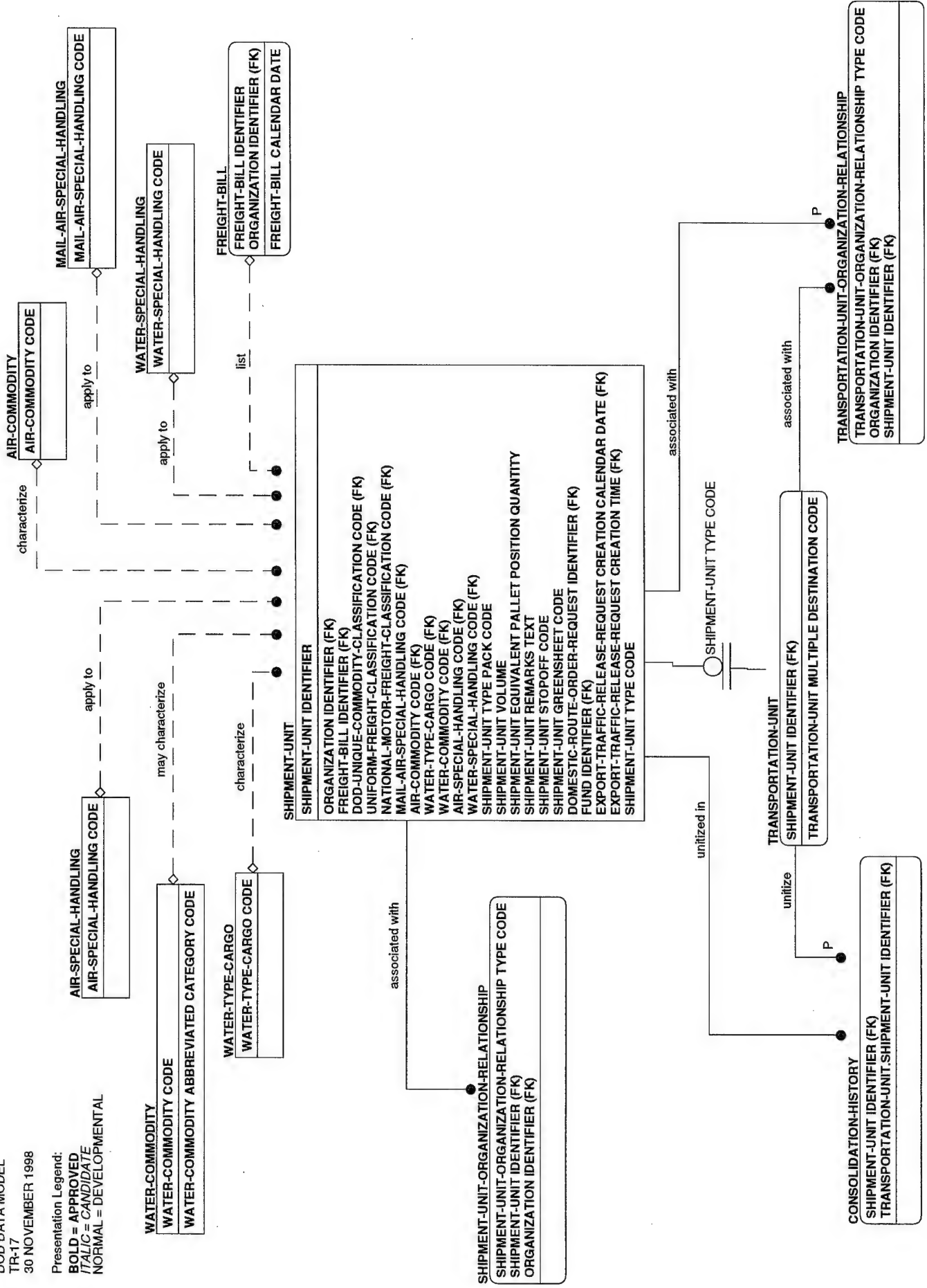
TR-16





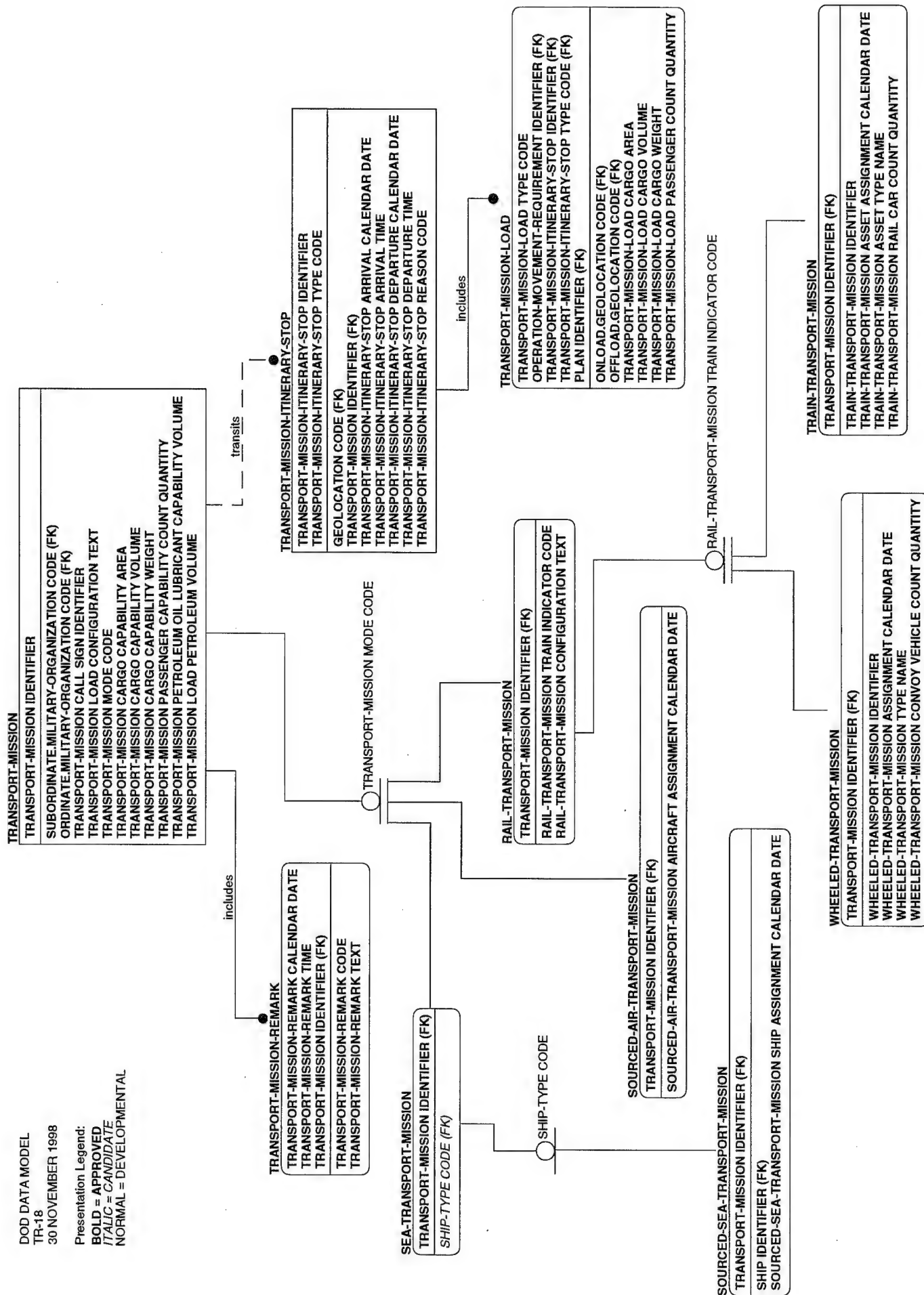
TR-17

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-18

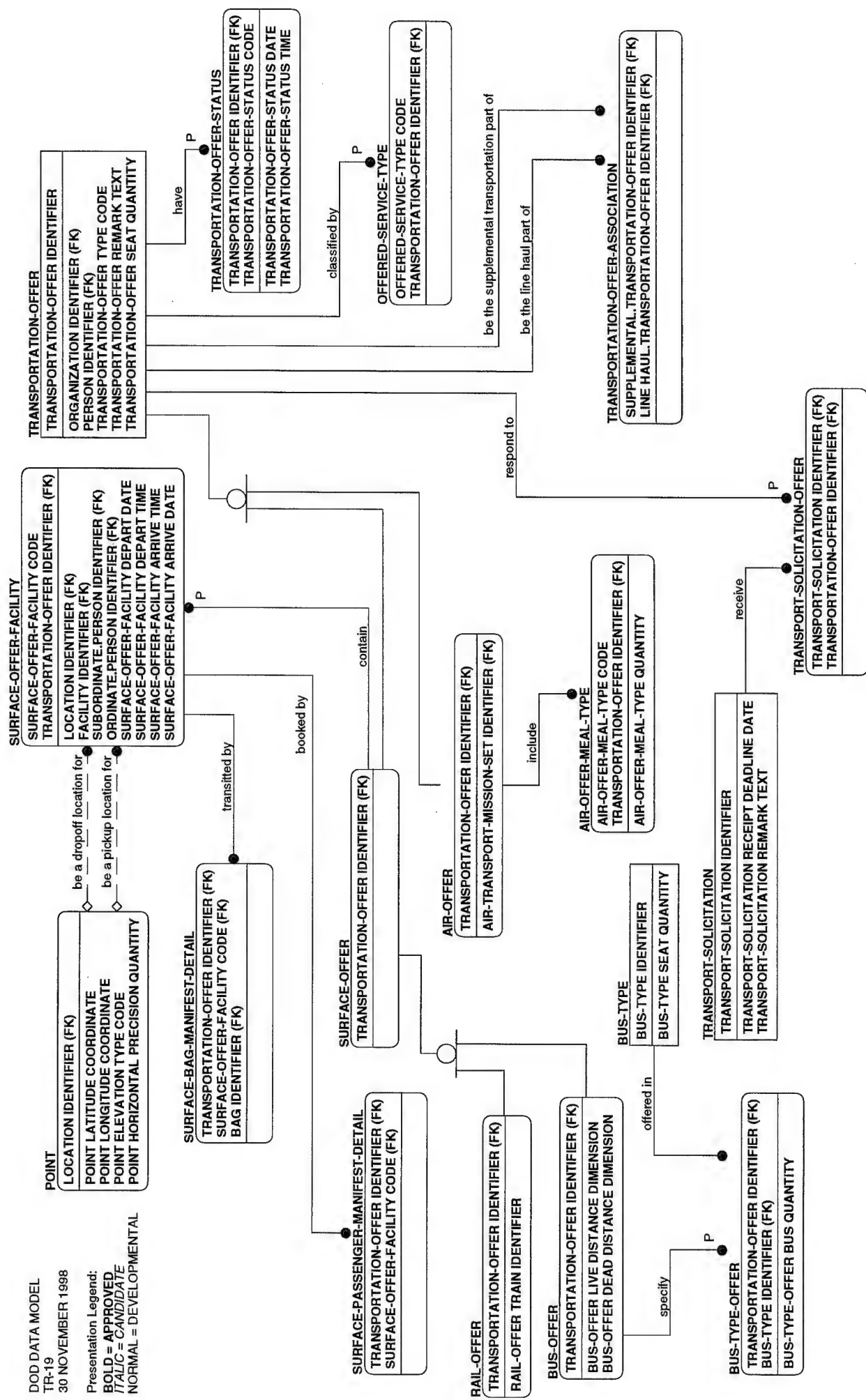
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





TR-19

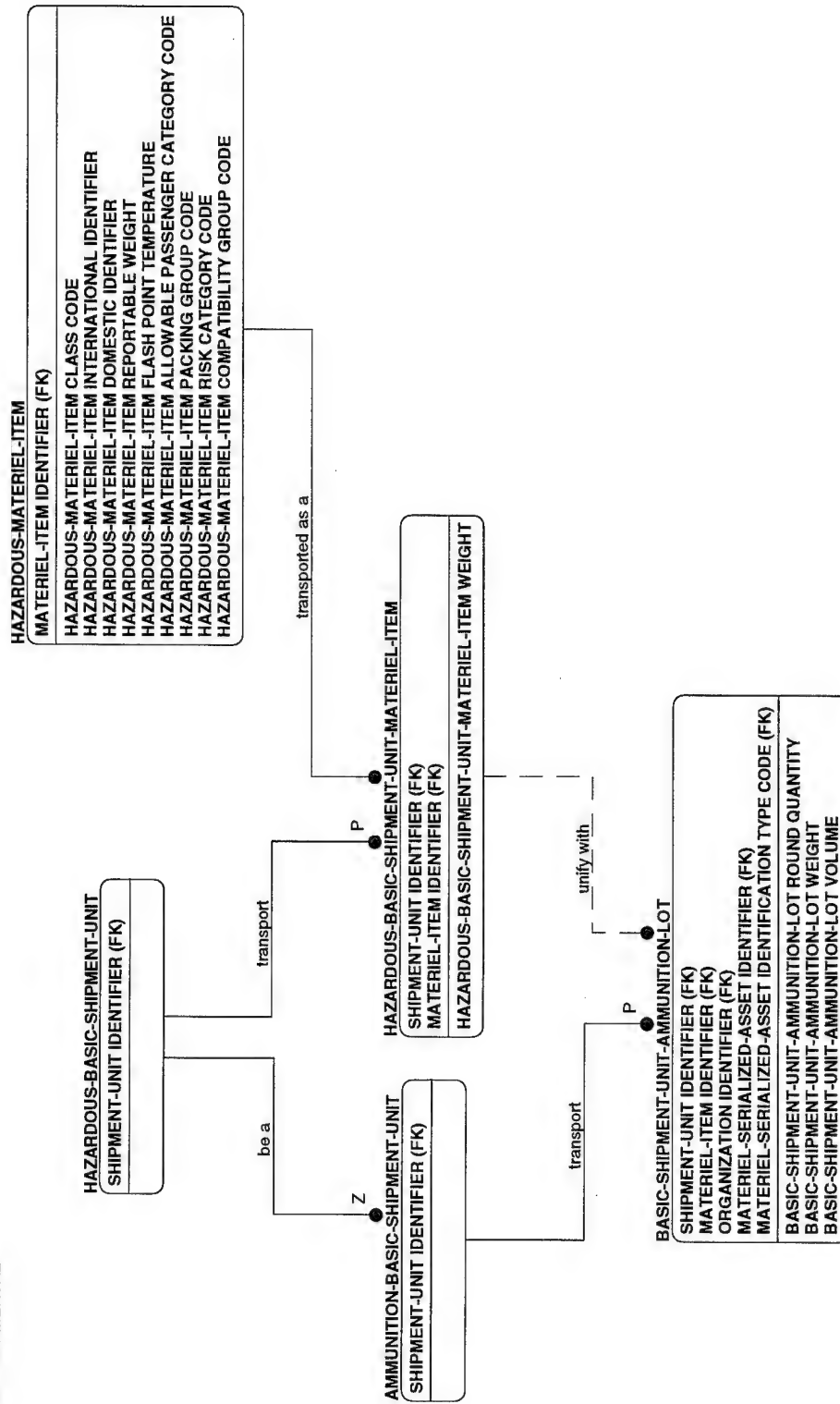
Presentation Legend:  
BOLD = APPROVED  
ITALIC = CANDIDATE  
NORMAL = DEVELOPMENTAL



TR-20

DOD DATA MODEL  
TR-20  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL



TR-21

## SHIPMENT-UNIT-FACILITY

SHIPMENT-UNIT-FACILITY REASON CODE
SHIPMENT-UNIT-FACILITY SCHEDULE CODE
SHIPMENT-UNIT IDENTIFIER (FK)
FACILITY IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE
SHIPMENT-UNIT-FACILITY TURKISH AUTHORIZATION IDENTIFIER

have

SHIPMENT-UNIT-FACILITY-CLEARANCE
SHIPMENT-UNIT-FACILITY-CLEARANCE APPROVAL IDENTIFIER
SHIPMENT-UNIT IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY REASON CODE (FK)
SHIPMENT-UNIT-FACILITY SCHEDULE CODE (FK)
FACILITY IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY-CLEARANCE APPROVAL CALENDAR DATE
SHIPMENT-UNIT-FACILITY-CLEARANCE BEGIN CALENDAR DATE
SHIPMENT-UNIT-FACILITY-CLEARANCE REQUEST CALENDAR DATE
SHIPMENT-UNIT-FACILITY-CLEARANCE REMARKS TEXT

undergo

P

SHIPMENT-UNIT-FACILITY-EVENT
SHIPMENT-UNIT-FACILITY-EVENT TYPE CODE
SHIPMENT-UNIT IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY REASON CODE (FK)
SHIPMENT-UNIT-FACILITY SCHEDULE CODE (FK)
FACILITY IDENTIFIER (FK)
executing.ORGANIZATION IDENTIFIER (FK)
receiving.ORGANIZATION IDENTIFIER (FK)
sending.ORGANIZATION IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY-EVENT EXECUTION CALENDAR DATE
SHIPMENT-UNIT-FACILITY-EVENT EXECUTION TIME

have a role played in it by

P

SHIPMENT-UNIT-FACILITY-CLEARANCE-PARTICIPANT
SHIPMENT-UNIT IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY REASON CODE (FK)
SHIPMENT-UNIT-FACILITY SCHEDULE CODE (FK)
FACILITY IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-ORGANIZATION BEGIN CALENDAR DATE (FK)
PERSON-ORGANIZATION BEGIN TIME (FK)
SHIPMENT-UNIT-FACILITY-CLEARANCE APPROVAL IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY-CLEARANCE-PARTICIPANT ROLE TYPE NAME

be the subject of a

## SHIPMENT-UNIT-INSPECTION-EVENT

SHIPMENT-UNIT-INSPECTION-EVENT START CALENDAR DATE
SHIPMENT-UNIT-INSPECTION-EVENT START TIME
SHIPMENT-UNIT IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY REASON CODE (FK)
SHIPMENT-UNIT-FACILITY SCHEDULE CODE (FK)
FACILITY IDENTIFIER (FK)
TRANSPORTATION-INSPECTION-TYPE NAME (FK)
INSPECTION-RESULT-TYPE NAME (FK)
SHIPMENT-UNIT-INSPECTION-EVENT RESULT NOTIFICATION CALENDAR DATE
SHIPMENT-UNIT-INSPECTION-EVENT RESULT TEXT
SHIPMENT-UNIT-INSPECTION-EVENT STOP CALENDAR DATE
ORGANIZATION IDENTIFIER (FK)
SHIPMENT-UNIT-INSPECTION-EVENT STOP TIME

have a role played in it by a

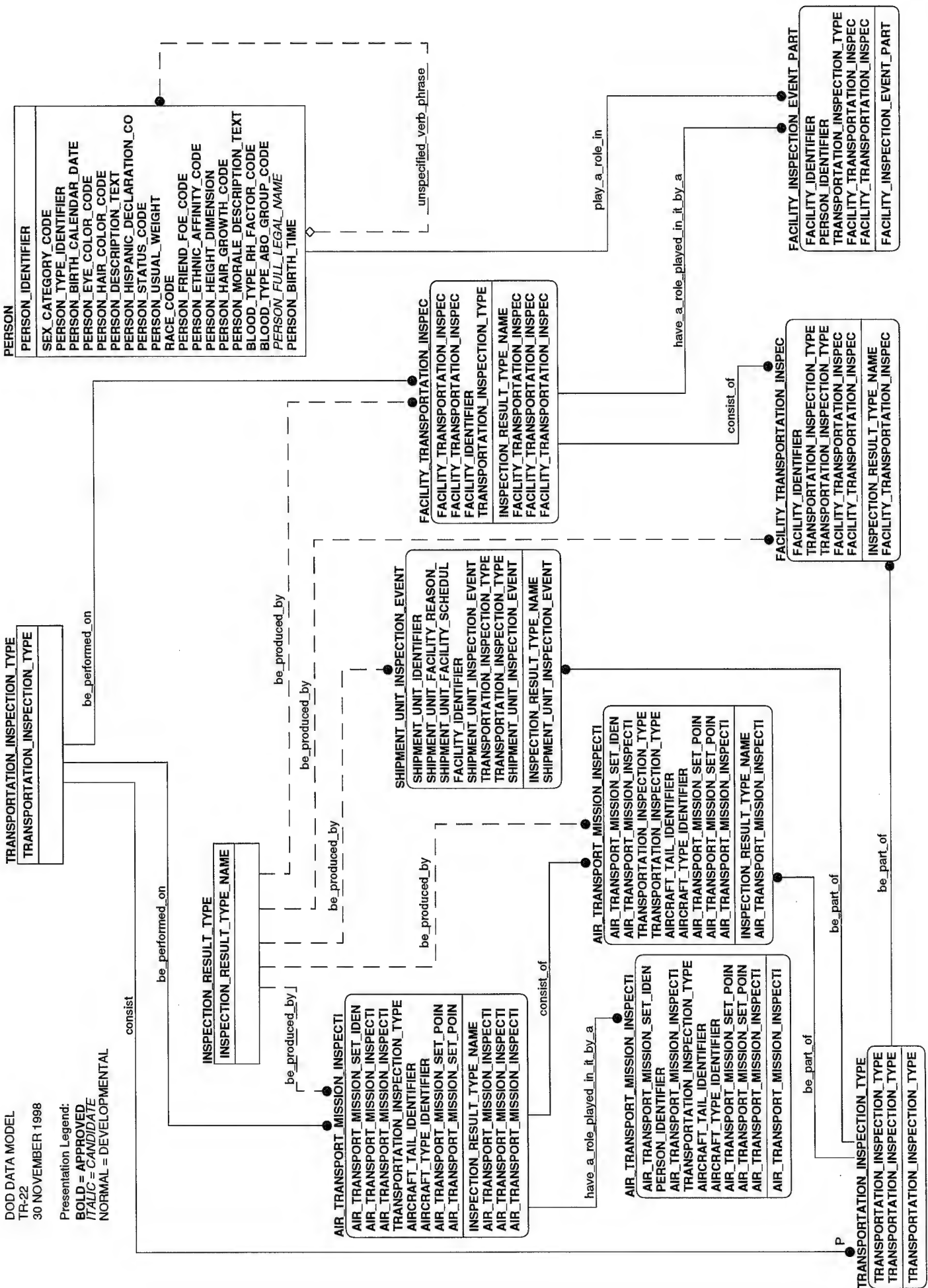
## SHIPMENT-UNIT-INSPECTION-EVENT-PARTICIPANT

SHIPMENT-UNIT IDENTIFIER (FK)
SHIPMENT-UNIT-FACILITY REASON CODE (FK)
SHIPMENT-UNIT-FACILITY SCHEDULE CODE (FK)
FACILITY IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
SHIPMENT-UNIT-INSPECTION-EVENT START TIME (FK)
TRANSPORTATION-INSPECTION-TYPE NAME (FK)
SHIPMENT-UNIT-INSPECTION-EVENT START CALENDAR DATE (FK)
SHIPMENT-UNIT-INSPECTION-EVENT-PARTICIPANT ROLE TYPE NAME

TR-22

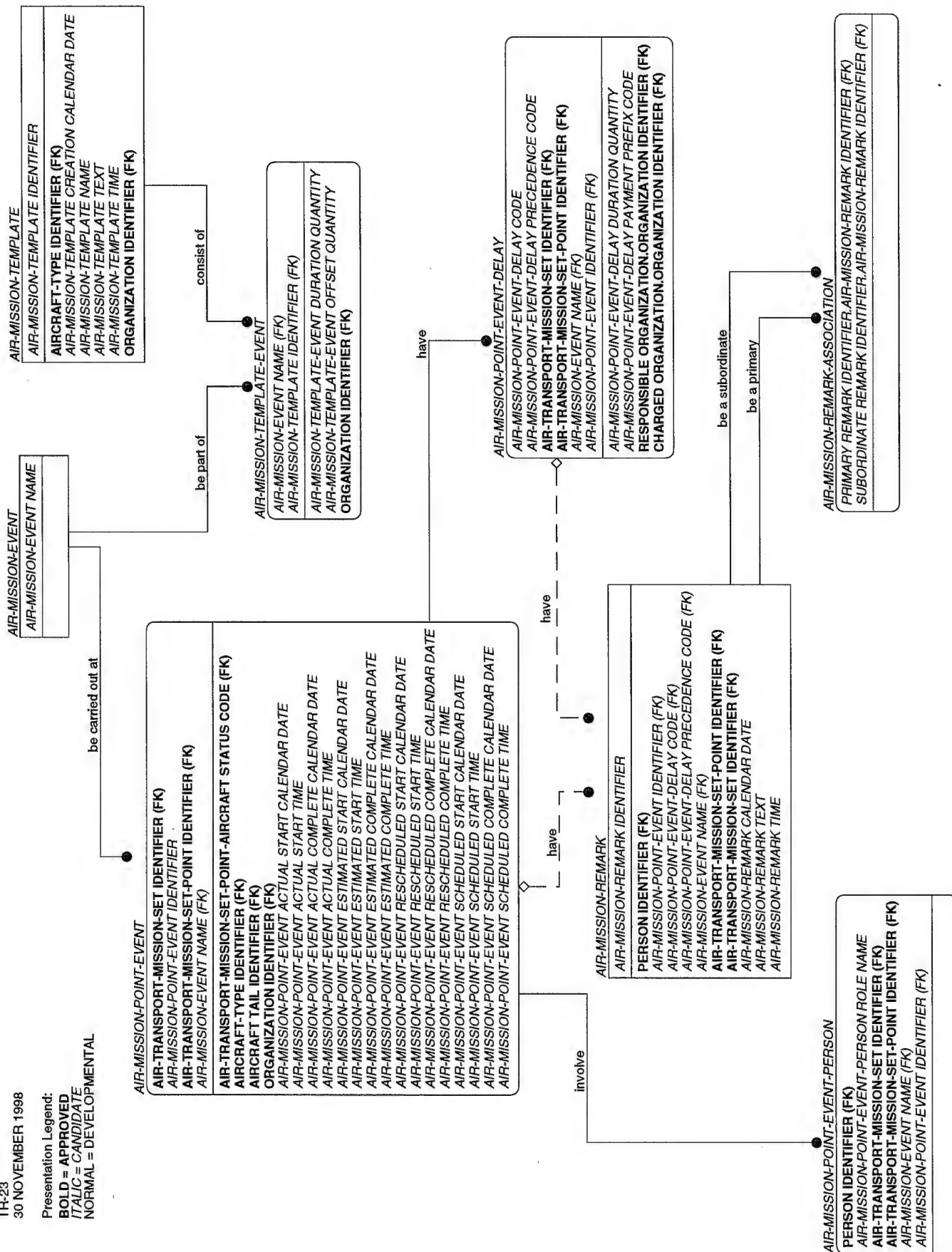
DOD DATA MODEL  
TR-22  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL





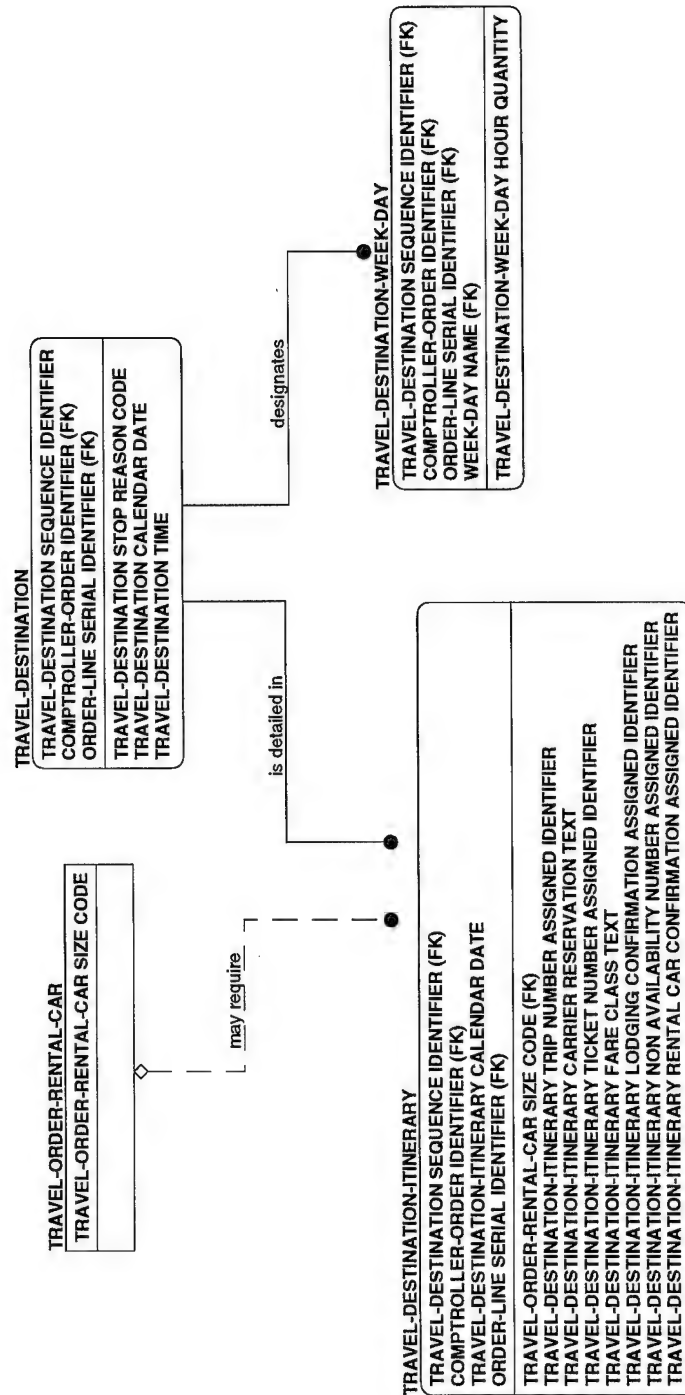
TR-23



TR-24

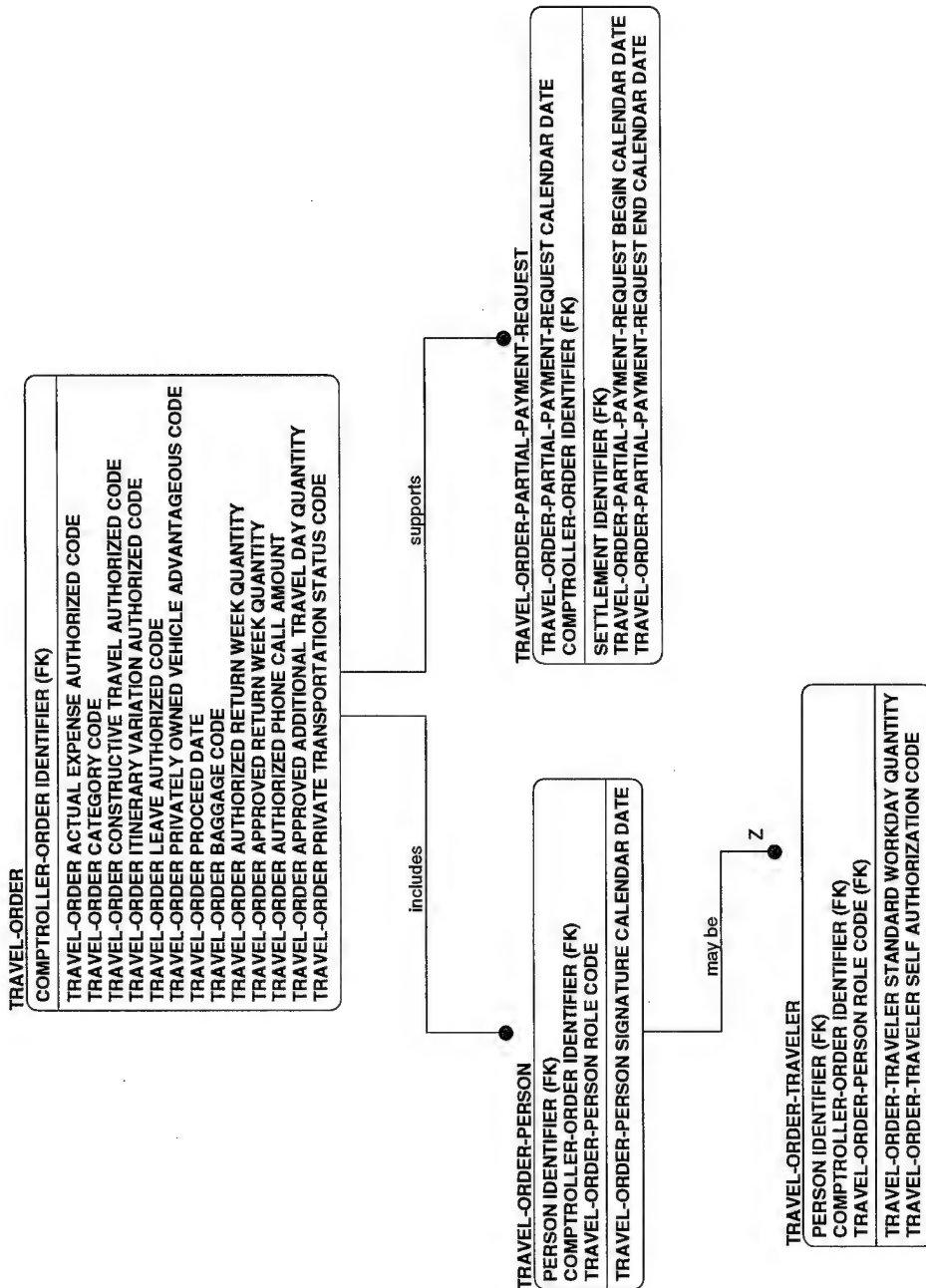
DOD DATA MODEL  
TR-24  
30 NOVEMBER 1998

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL

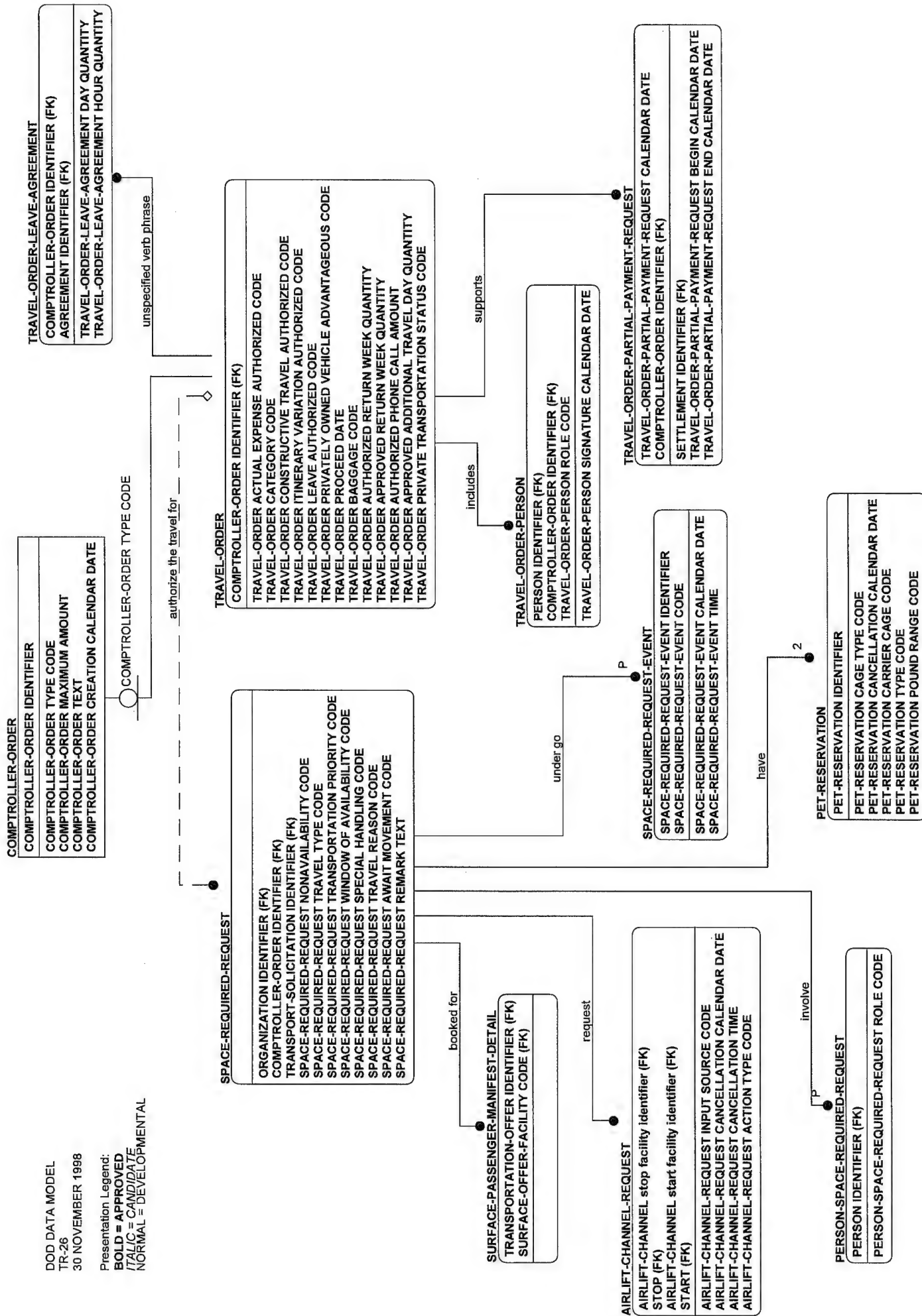


TR-25

Presentation Legend:  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
NORMAL = DEVELOPMENTAL



TR-26





## Section 4

# External Interface Standards

## Section 4 External Interface Standards

### 1.0 INTRODUCTION

This section of the DoD Data Model contains American National Institute Standards (ANSI) X.12 data exchange standards. These standards have been included in the DoD Data Model under 8320.1 series guidance that requires the adoption of international, national, and Federal data standards prior to the development of DoD data standards. In conjunction with this requirement, the inclusion of ANSI X.12 data exchange standards broadens the scope of the Data Model to include standard data interchange.

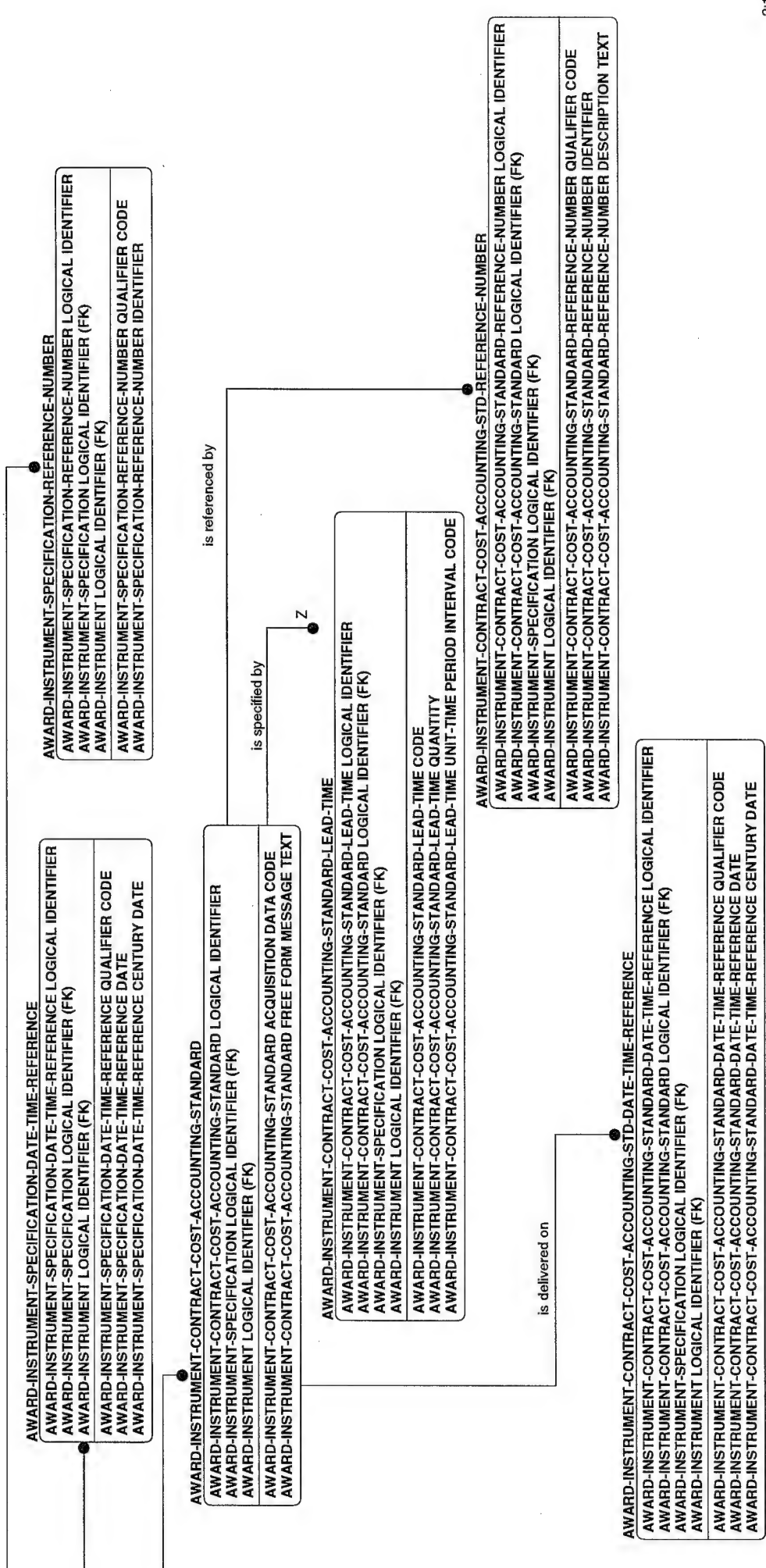
The ANSI X.12 data interchange standards have been adopted by the Department of Defense to improve the exchange of data between the Department and industry partners. In adopting the X.12 standards, version 3050 of X.12 and the associated Federal implementation conventions (IC) have been used to support the adoption of transaction sets 850 (Purchase Request) and 860 (Purchase Request Modification). Version 3040 of the X.12 standards has been used to facilitate the adoption of data standards carried on transaction set 838 (Vendor Registration).

Users of the DoD Data Model should note that the X.12 data interchange standards are used to describe standard formats for the exchange of data. Focusing on standard formats for data interchange, the ANSI X.12 standards may differ from the standards developed by the DoD functional areas. First, standard data exchange formats are typically hierarchically organized. Second, data interchange standards contain complex or coupled data items. Third, the data interchange standards may be used to record multiple occurrences of data that is exchanged with partners over time. Fourth, data exchange standards currently coexist with the data standards used to develop and design databases used to serve functional needs. For example, the 838 transaction set is used to populate the Central Contractor Registration (CCR) System.

The coexistent relationship between functional area database standards and data interchange standards has a number of implications. First, in terms of using the interchange standards, the matching and mapping of functional data standards to established interchange standards should prove useful in validating both DoD functional data standards and transformation algorithms. Second, the data models used to describe the interchange standards are useful as a specification for the data stored on the transaction sets as received from or sent to trading partners. This specification can be used as a basis for developing value-added services at Electronic Commerce Processing Nodes (ECPN). These services include audit, authentication, and, data quality and data security capabilities. Finally, in using the descriptive information on the data interchange standards contained in this section, Functional organizations should note that these standards are used for the express purpose of supporting data exchange. Use of these standards should be consistent with this expressed purpose.

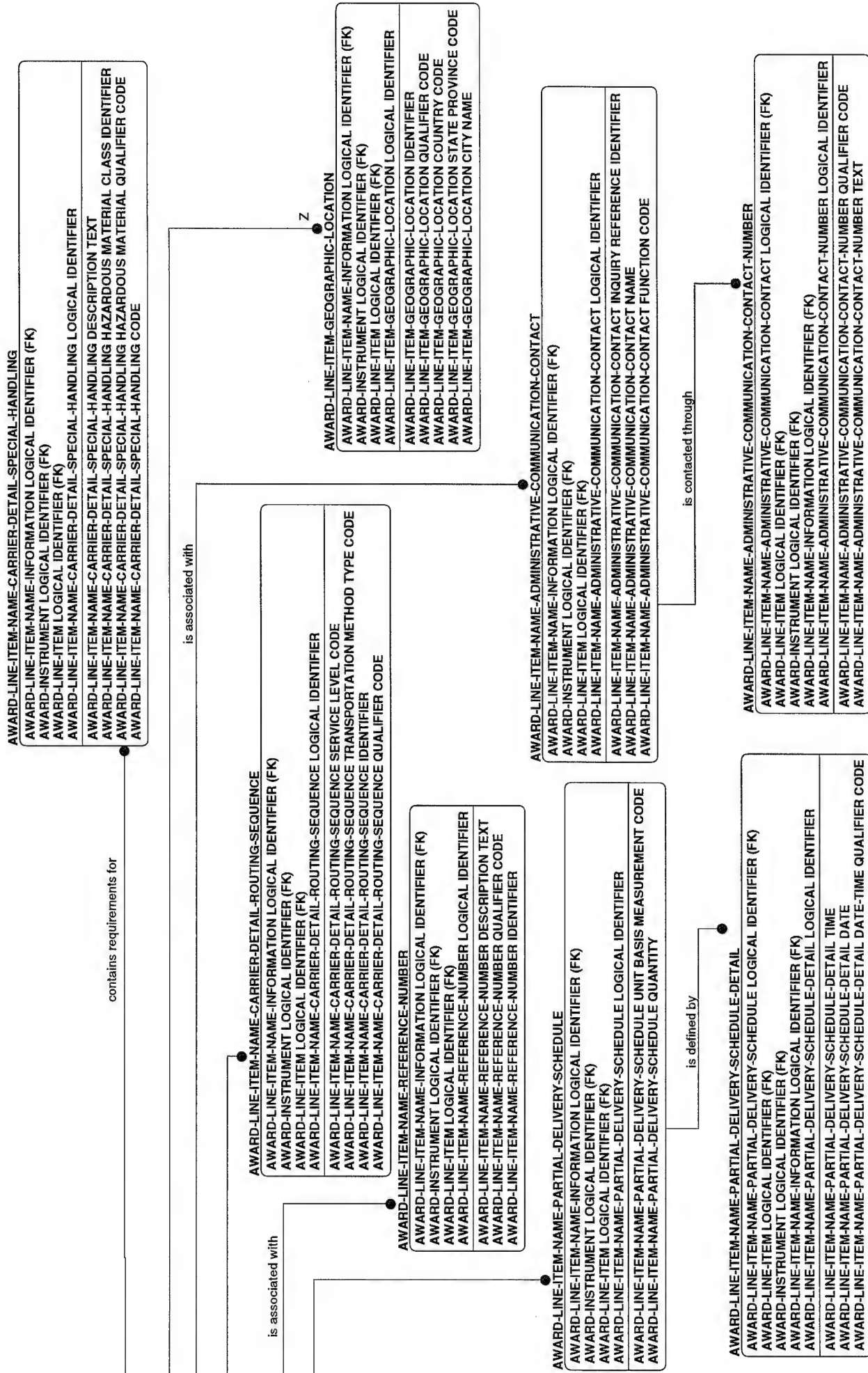
ES-01





ES-02







ES-03



ES-04



contains requirements for

AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

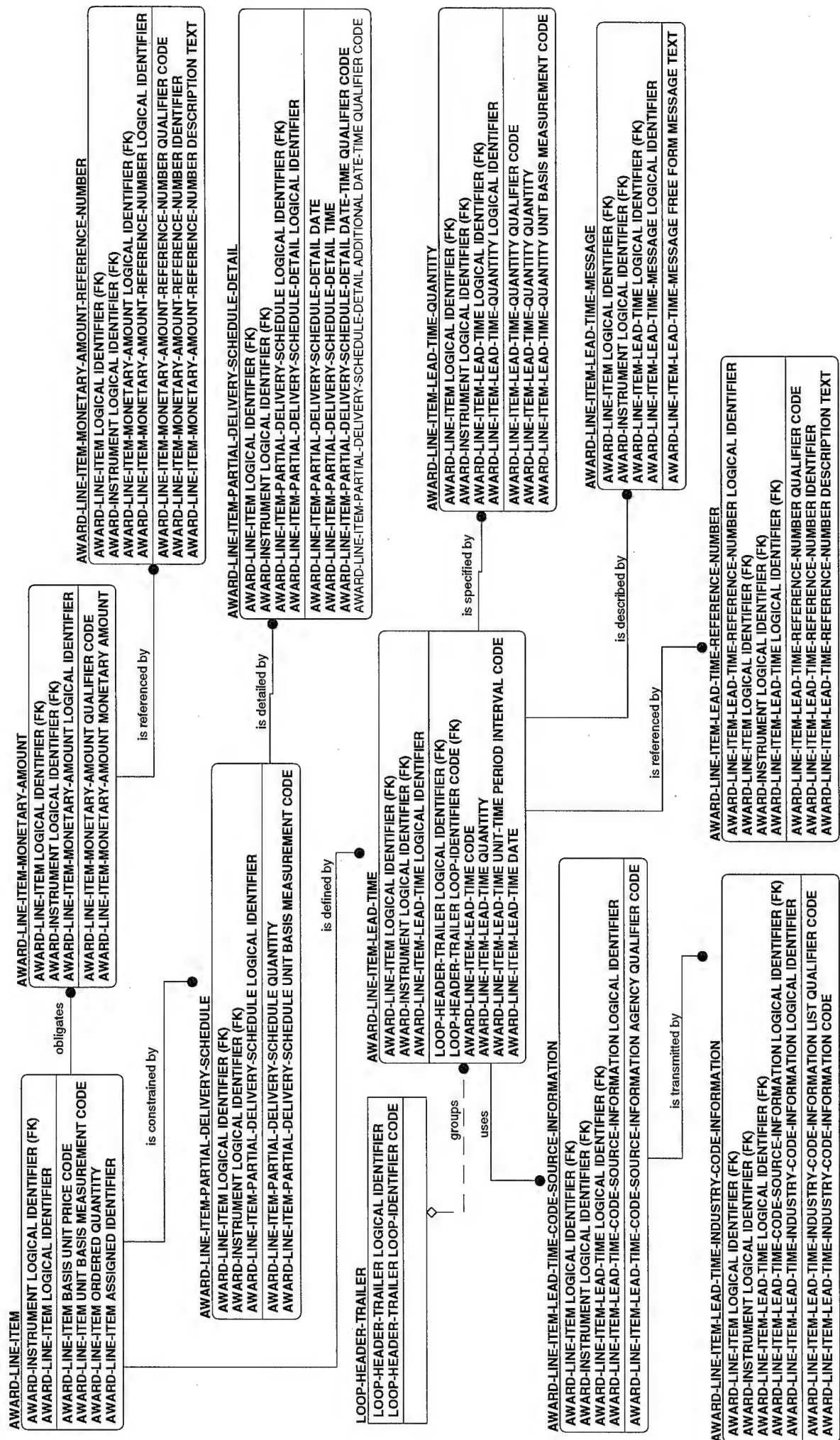
contains transportation requirements for

AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING DESCRIPTION TEXT
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE

ES-05

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



ES-06



<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT TRANSACTION SET PURPOSE CODE</b>
<b>AWARD-INSTRUMENT PURCHASE ORDER TYPE CODE</b>
<b>AWARD-INSTRUMENT PURCHASE ORDER NUMBER IDENTIFIER</b>
<b>AWARD-INSTRUMENT DATE</b>
<b>AWARD-INSTRUMENT ACKNOWLEDGEMENT TYPE CODE</b>
<b>AWARD-INSTRUMENT CONTRACT TYPE CODE</b>
<b>AWARD-INSTRUMENT PURCHASE CATEGORY CODE</b>
<b>AWARD-INSTRUMENT SECURITY LEVEL CODE</b>
<b>TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)</b>
<b>AWARD-INSTRUMENT RELEASE NUMBER IDENTIFIER</b>
<b>AWARD-INSTRUMENT SMALL BUSINESS CONTRACT-NUMBER IDENTIFIER</b>

contains

<b>AWARD-LINE-ITEM</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM BASIS UNIT PRICE CODE</b>
<b>AWARD-LINE-ITEM UNIT BASIS MEASUREMENT CODE</b>
<b>AWARD-LINE-ITEM ORDERED QUANTITY</b>
<b>AWARD-LINE-ITEM ASSIGNED IDENTIFIER</b>

uses

<b>AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE</b>
<b>AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE</b>

is transmitted by

<b>AWARD-LINE-ITEM-INDUSTRY-CODE-INDUSTRY-CODE</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE</b>
<b>AWARD-LINE-ITEM-INDUSTRY-CODE-INDUSTRY-CODE</b>
<b>AWARD-LINE-ITEM-INDUSTRY-CODE-INDUSTRY-CODE</b>

is associated with

<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER</b>

can be reached through

<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER TEXT</b>

is referenced by

<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER IDENTIFIER</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER FREE FORM DESCRIPTION TEXT</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER DATE</b>

is described by

<b>AWARD-LINE-ITEM-CONTRACTUAL-MESSAGE</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-MESSAGE LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM-CONTRACTUAL-MESSAGE FREE FORM MESSAGE TEXT</b>

is sent to

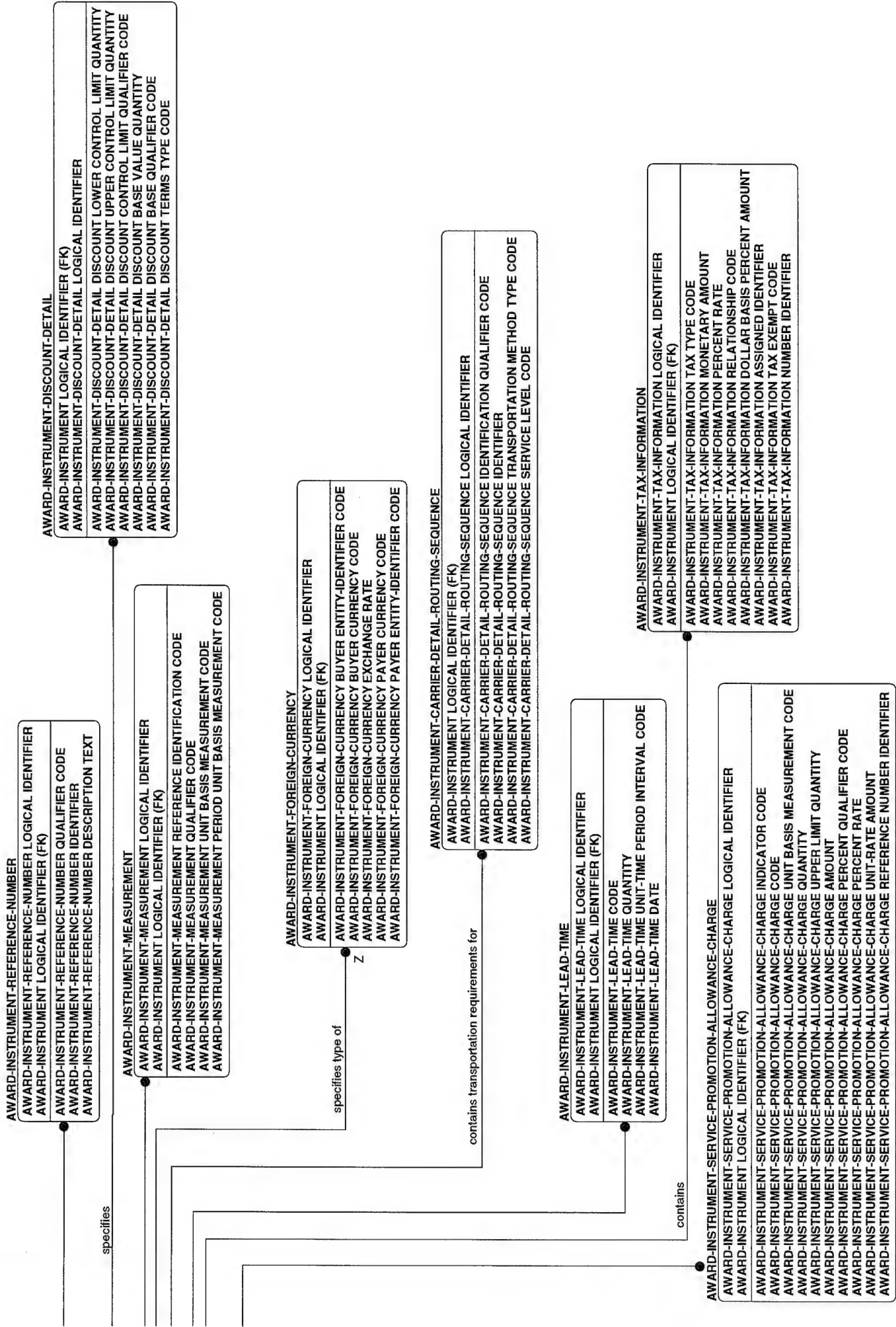
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY UNIT BASIS MEASUREMENT CODE</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY IDENTIFICATION QUALIFIER CODE</b>

is detailed in

<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL IDENTIFIER</b>
<b>AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL QUANTITY</b>

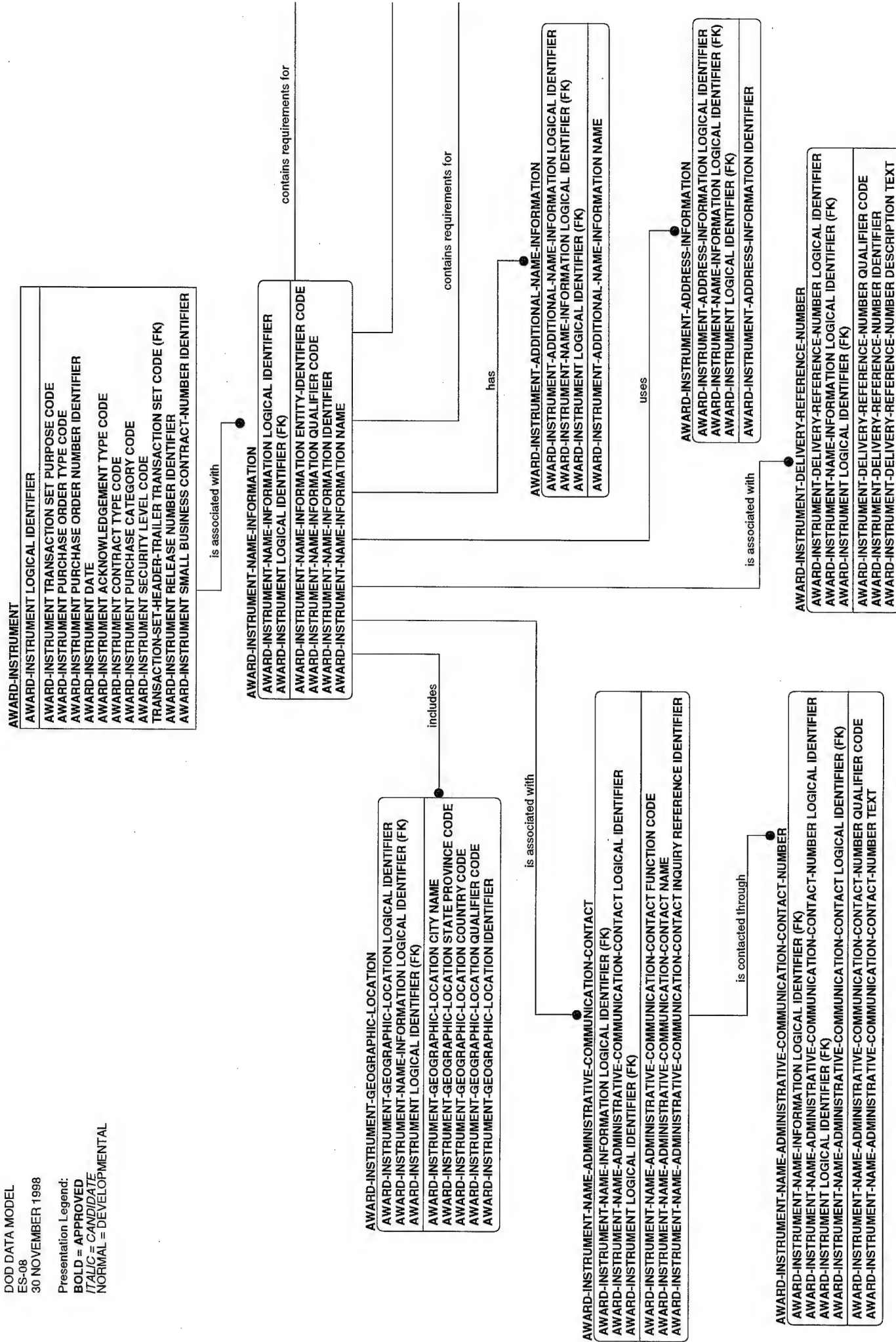
ES-07





ES-08

**Presentation Legend:**  
**BOLD = APPROVED**  
*ITALIC = CANDIDATE*  
 NORMAL = DEVELOP



AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

contains transportation requirements for

AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING
AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE
AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

ES-09



Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

NORMAL = DEVELOPMENTAL

**AWARD-LINE-ITEM-MODIFICATION**

<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER</b>
<b>AWARD-LINE-ITEM-MODIFICATION BASIS UNIT PRICE CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION UNIT BASIS MEASUREMENT CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION REMAINING QUANTITY</b>
<b>AWARD-LINE-ITEM-MODIFICATION ORDERED QUANTITY</b>
<b>AWARD-LINE-ITEM-MODIFICATION RESPONSE TYPE CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION ASSIGNED IDENTIFIER</b>

contains

**AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION**

<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION ENTITY-IDENTIFIER CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION NAME</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION IDENTIFICATION QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION IDENTIFIER</b>

contains

**AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-NAME-INFORMATION**

<b>AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-NAME-INFORMATION LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-NAME-INFORMATION NAME</b>

uses

**AWARD-LINE-ITEM-MODIFICATION-ADDRESS-INFORMATION**

<b>AWARD-LINE-ITEM-MODIFICATION-ADDRESS-INFORMATION LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-ADDRESS-INFORMATION IDENTIFIER</b>

is delivered according to

**AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE**

<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE UNIT BASIS MEASUREMENT CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE QUANTITY</b>

is detailed in

**AWARD-LINE-ITEM-MOD-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL**

<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL DATE-TIME QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL DATE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL TIME</b>

is packaged according to

is routed according to

has delivery identified by

**AWARD-LINE-ITEM-MODIFICATION-NAME-REFERENCE-NUMBER**

<b>AWARD-LINE-ITEM-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-REFERENCE-NUMBER QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-REFERENCE-NUMBER DESCRIPTION TEXT</b>

is located in

Z

**AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION**

<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER</b>
<b>AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)</b>
<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION CITY NAME</b>
<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION STATE PROVINCE CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION COUNTRY CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION QUALIFIER CODE</b>
<b>AWARD-LINE-ITEM-MODIFICATION-GEOGRAPHIC-LOCATION IDENTIFIER</b>

AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING

AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING DESCRIPTION CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

is handled according to

provides

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFICATION QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-LINE-ITEM-MOD-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT

AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER

is contacted through

AWARD-LINE-ITEM-MOD-NAME-ADMIN-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER

AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME QUANTITY
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME UNIT PERIOD INTERVAL CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME DATE

specifies availability for

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME QUANTITY QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY QUANTITY
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY UNIT BASIS MEASUREMENT CODE

is explained in

Z

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MESSAGE
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MESSAGE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MESSAGE FREE FORM MESSAGE TEXT

is referenced by

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER DESCRIPTION TEXT

is shipped according to

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER QUALIFIER CODE

ES-10



AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE

AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UPPER LIMIT QUANTITY
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE QUANTITY
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT RATE AMOUNT
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT RATE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE AMOUNT
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE INDICATOR CODE

Z

AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION

AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION TAX TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION MONETARY AMOUNT
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION PERCENT RATE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION TAX EXEMPT CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION RELATIONSHIP CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION DOLLAR BASIS PERCENT AMOUNT
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION ASSIGNED IDENTIFIER

Z

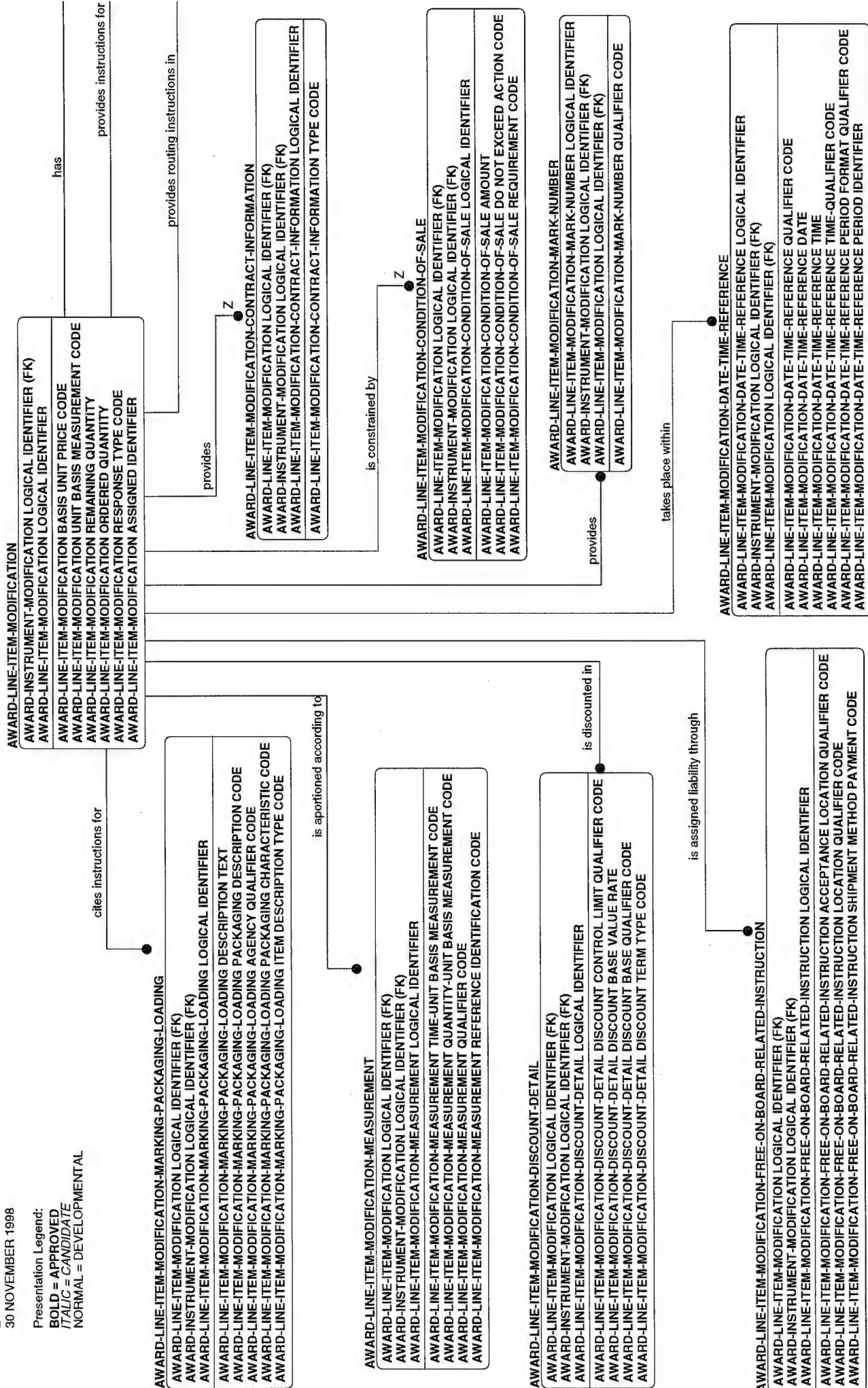
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION

AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION TEXT
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION PRODUCT DESCRIPTION CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION PRODUCT CHARACTERISTIC CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION TYPE CODE

ES-11



Presentation Legend:  
BOLD = APPROVED  
ITALIC = CANDIDATE  
NORMAL = DEVELOPMENTAL





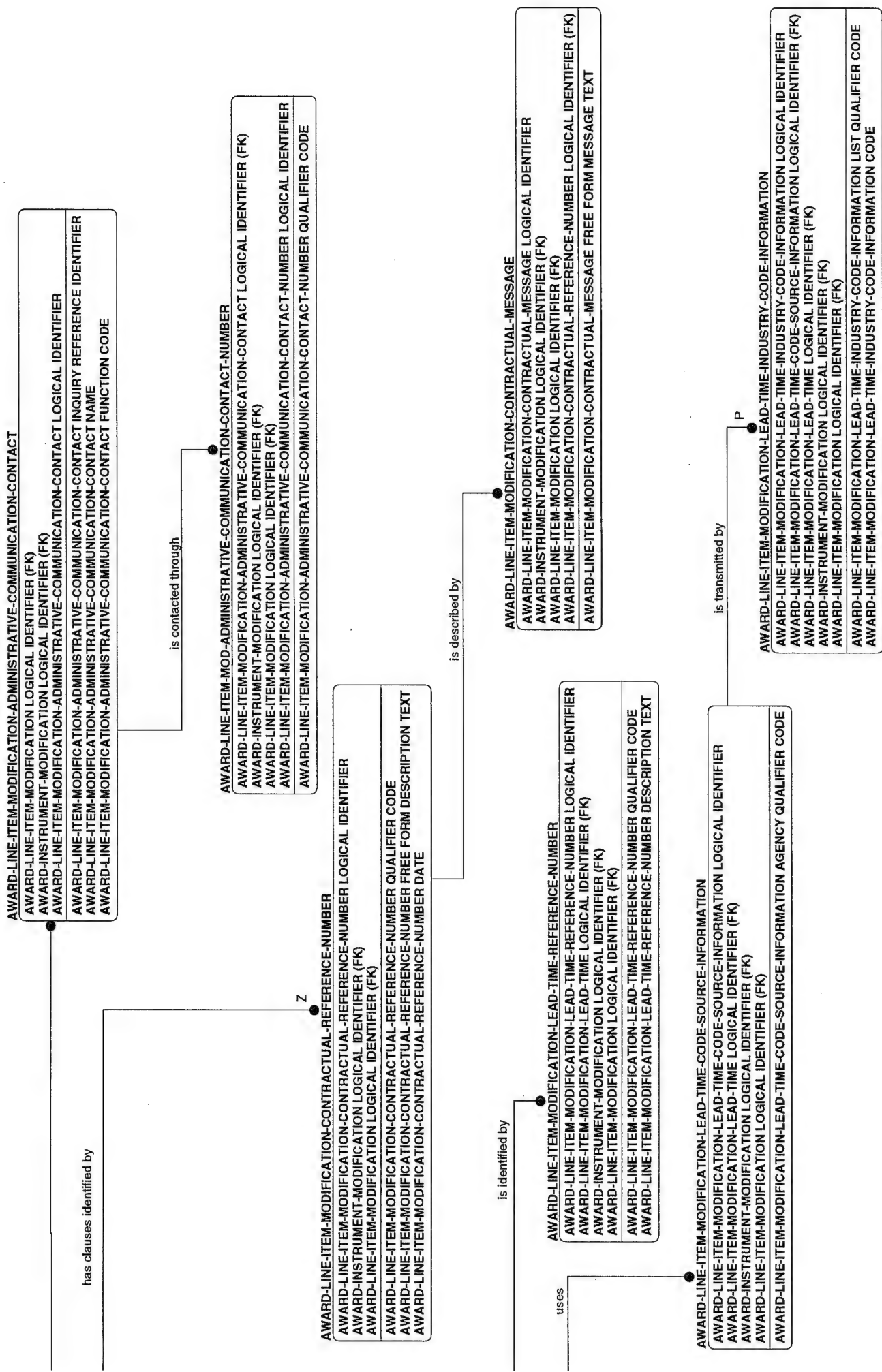
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL QUANTITY
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL CHANGE REASON CODE

AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFICATION QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

ES-12





ES-13

AWARD-INSTRUMENT-MODIFICATION
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION DATE
AWARD-INSTRUMENT-MODIFICATION PURCHASE CATEGORY CODE
AWARD-INSTRUMENT-MODIFICATION TRANSACTION TYPE CODE
AWARD-INSTRUMENT-MODIFICATION ACKNOWLEDGEMENT TYPE CODE
AWARD-INSTRUMENT-MODIFICATION SECURITY LEVEL CODE
AWARD-INSTRUMENT-MODIFICATION CONTRACT TYPE CODE
AWARD-INSTRUMENT-MODIFICATION EFFECTIVE DATE
AWARD-INSTRUMENT-MODIFICATION RESPONSE DATE
AWARD-INSTRUMENT-MODIFICATION PURCHASE ORDER TYPE CODE
AWARD-INSTRUMENT-MODIFICATION TRANSACTION SET PURPOSE CODE
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)

provides

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION FACILITY SECURITY LEVEL CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION REPORT TYPE CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION TRANSACTION SET PURPOSE CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION REFERENCE NUMBER QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION DATA SECURITY LEVEL CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE FREE FORM MESSAGE TEXT

is explained in

is defined by

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER QUALIFIER CODE

is associated with

is associated with

is applicable within

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE DATE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION NAME

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION ENTITY-IDENTIFIER CODE

is located in

Z

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER

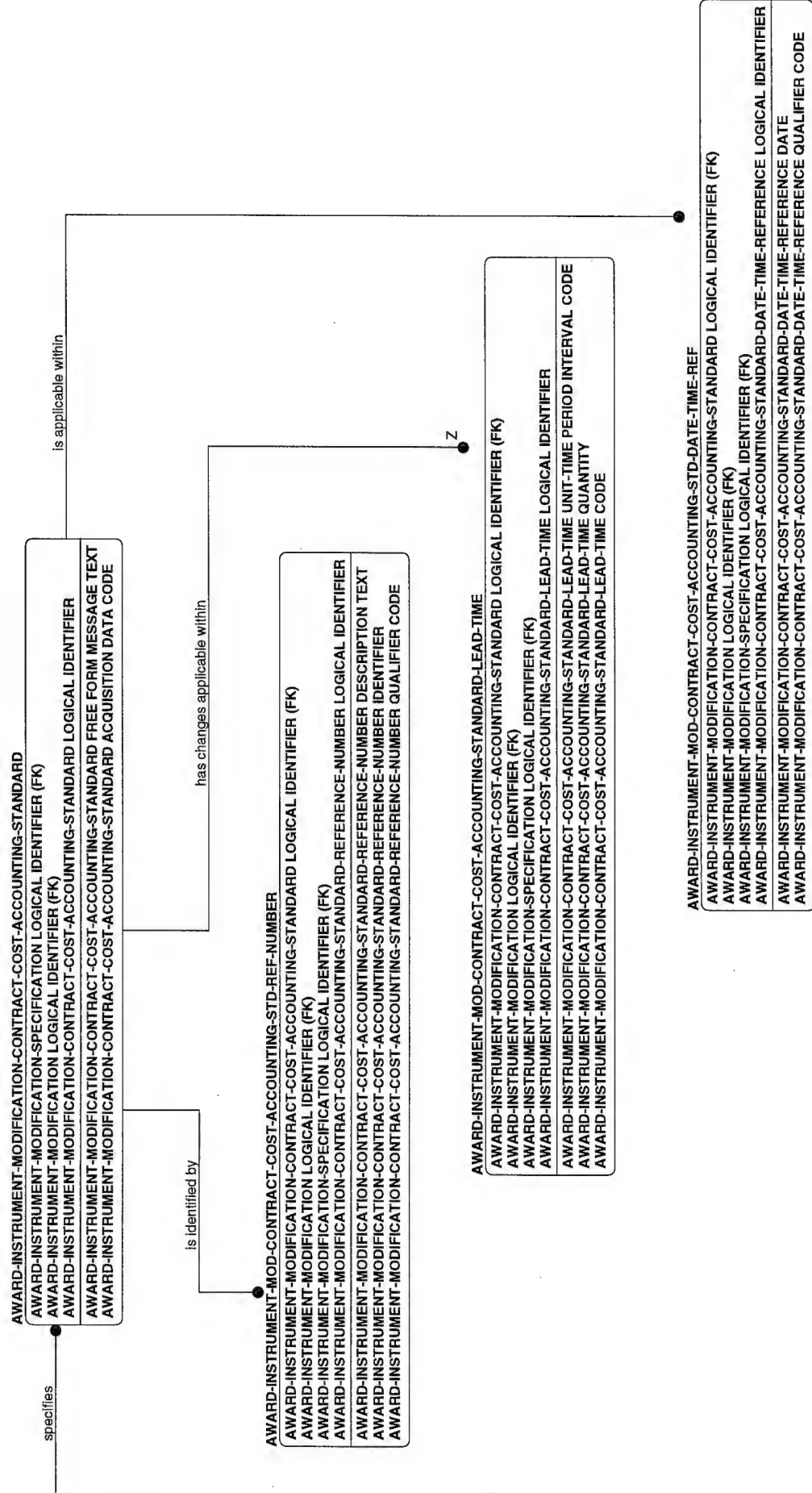
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION COUNTRY CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION STATE PROVINCE CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION CITY NAME



AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-MESSAGE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-MESSAGE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-MESSAGE FREE FORM MESSAGE TEXT

is explained in

has

AWARD-INSTRUMENT-MOD-SPECIFICATION-ADDITIONAL-NAME-INFORMATION

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-ADDITIONAL-NAME-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-ADDITIONAL-NAME-INFORMATION NAME

uses

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-ADDRESS-INFORMATION

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-ADDRESS-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-ADDRESS-INFORMATION IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT COMMUNICATION NUMBER QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT NAME
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-CONTACT FUNCTION CODE

z

is associated with



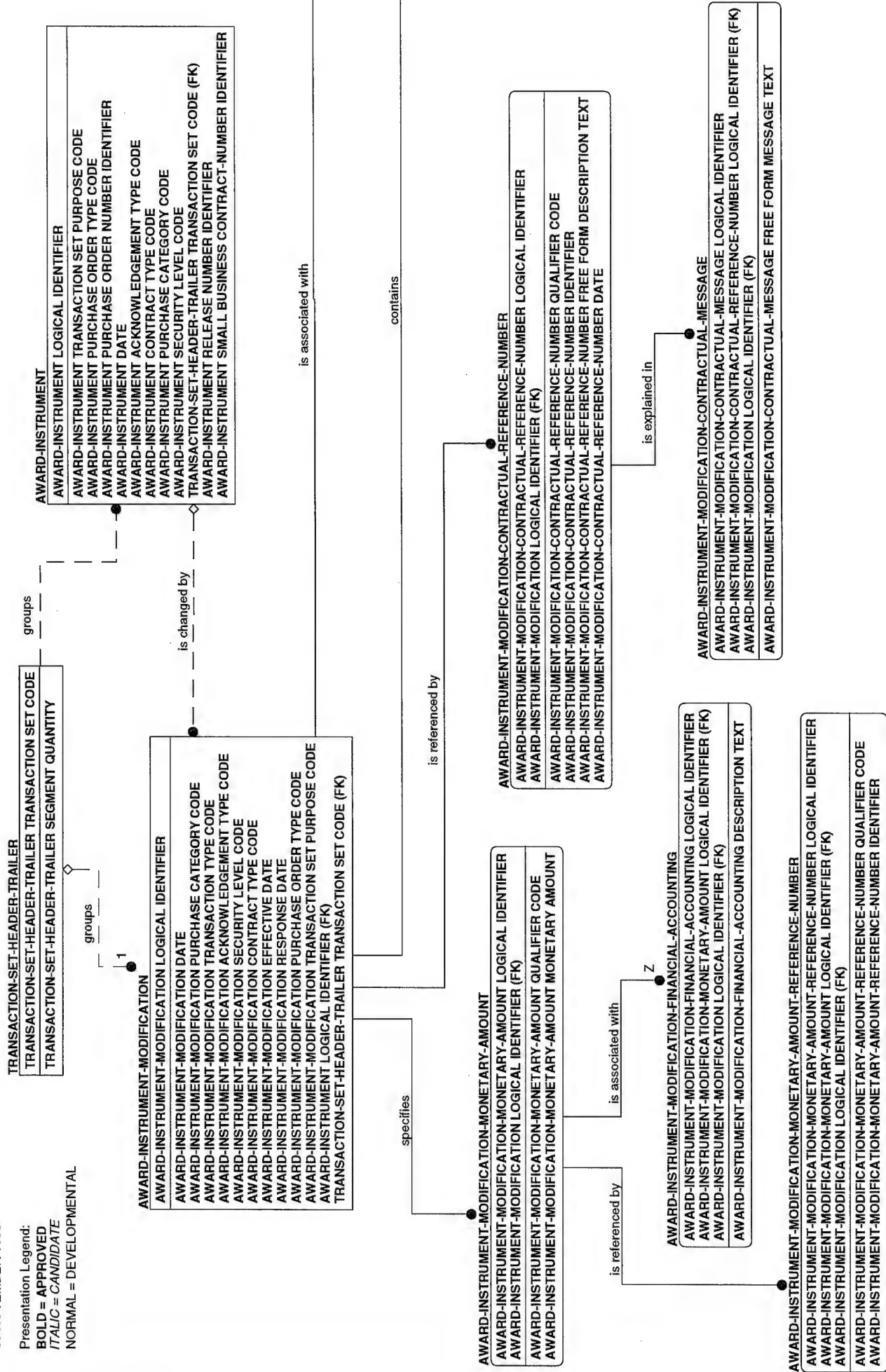
ES-14





ES-15

Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



AWARD-INSTRUMENT-MOD-ADMINISTRATIVE-COMMUNICATION-CONTACT

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME

is contacted through

P

AWARD-INSTRUMENT-MOD-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INFORMATION

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INFORMATION AGENCY QUALIFIER CODE

provides

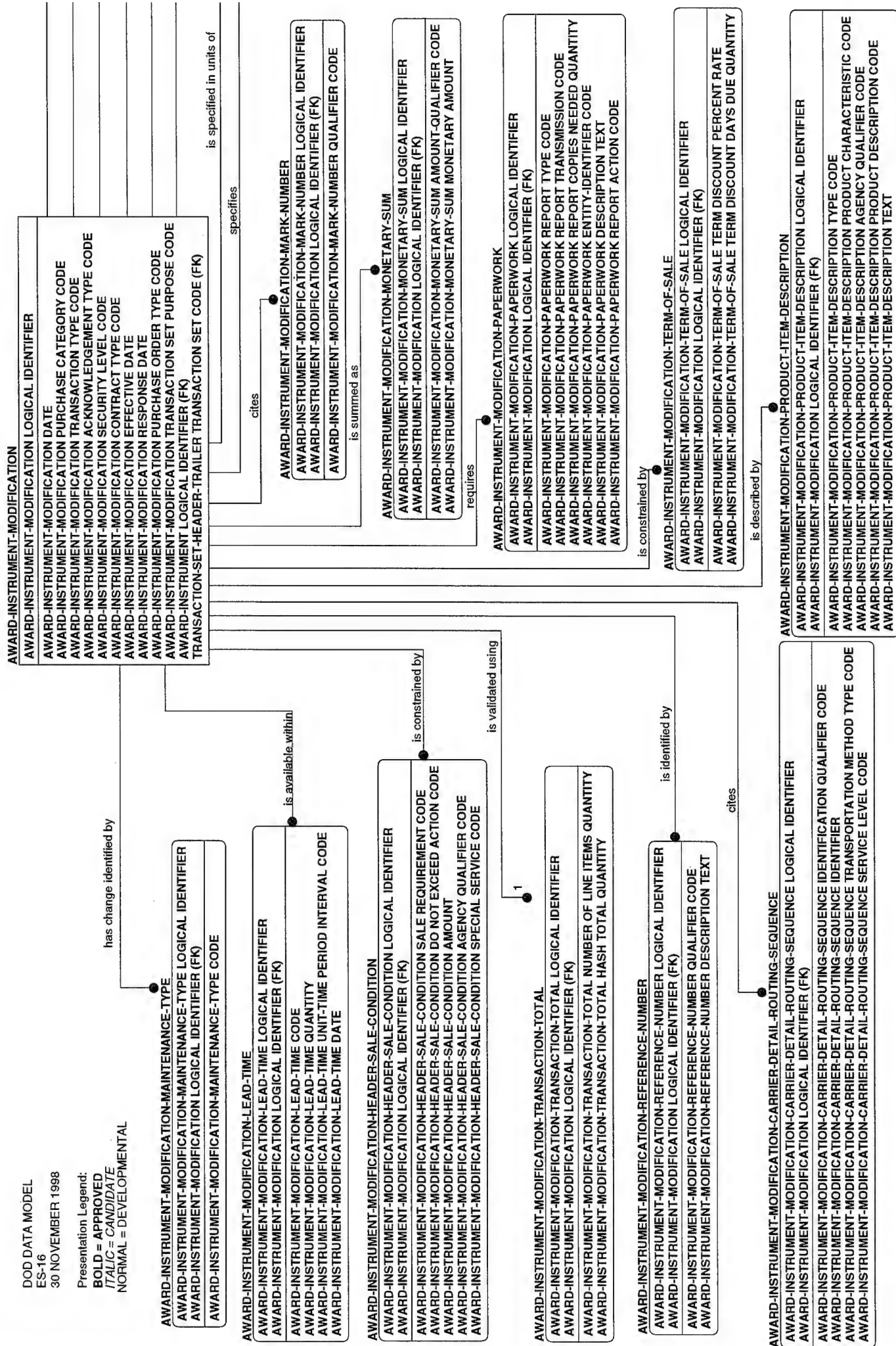
P

AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INFORMATION

AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INFORMATION CODE
AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INFORMATION LIST QUALIFIER CODE

ES-16

Presentation Legend:  
BOLD = APPROVED  
ITALIC = CANDIDATE  
NORMAL = DEVELOPMENTAL





is assigned liability through

specifies

is subject to

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION SHIPMENT METHOD PAYMENT CODE

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION LOCATION QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION ACCEPTANCE LOCATION QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY BUYER ENTITY-IDENTIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY BUYER CURRENCY CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY EXCHANGE RATE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY PAYER ENTITY-IDENTIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY PAYER CURRENCY CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE INDICATOR CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE AMOUNT

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT RATE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT-RATE AMOUNT

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE QUANTITY

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UPPER LIMIT QUANTITY

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT REFERENCE IDENTIFICATION CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT QUANTITY-UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT TIME-UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

has delivery time based upon

requires

must follow

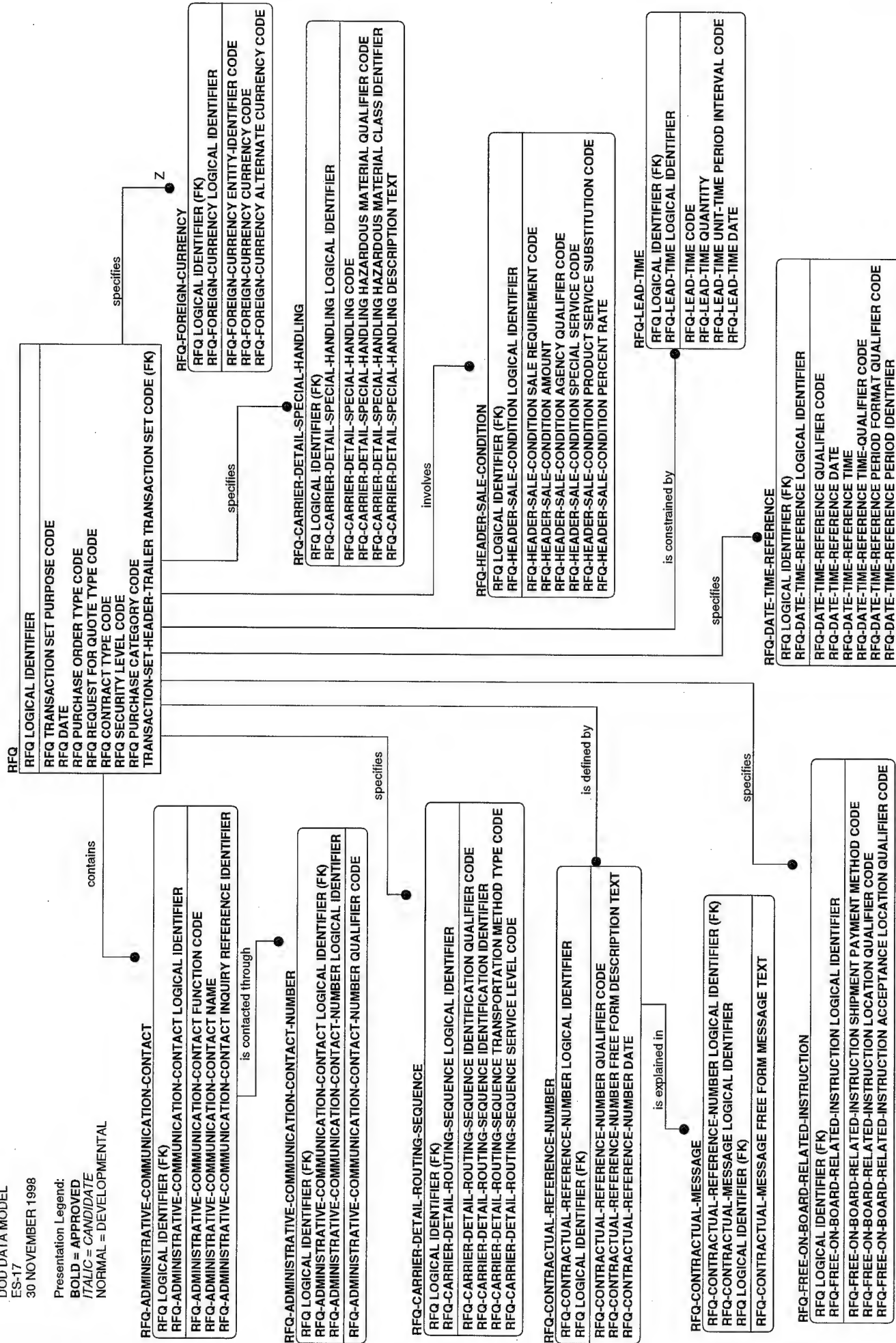
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE DATE
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE TIME
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE PERIOD FORMAT QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE PERIOD IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION TAX TYPE CODE
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION MONETARY AMOUNT
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION PERCENT RATE
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION TAX EXEMPT CODE
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION RELATIONSHIP CODE
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION DOLLAR BASIS PERCENT AMOUNT
AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION ASSIGNED IDENTIFIER

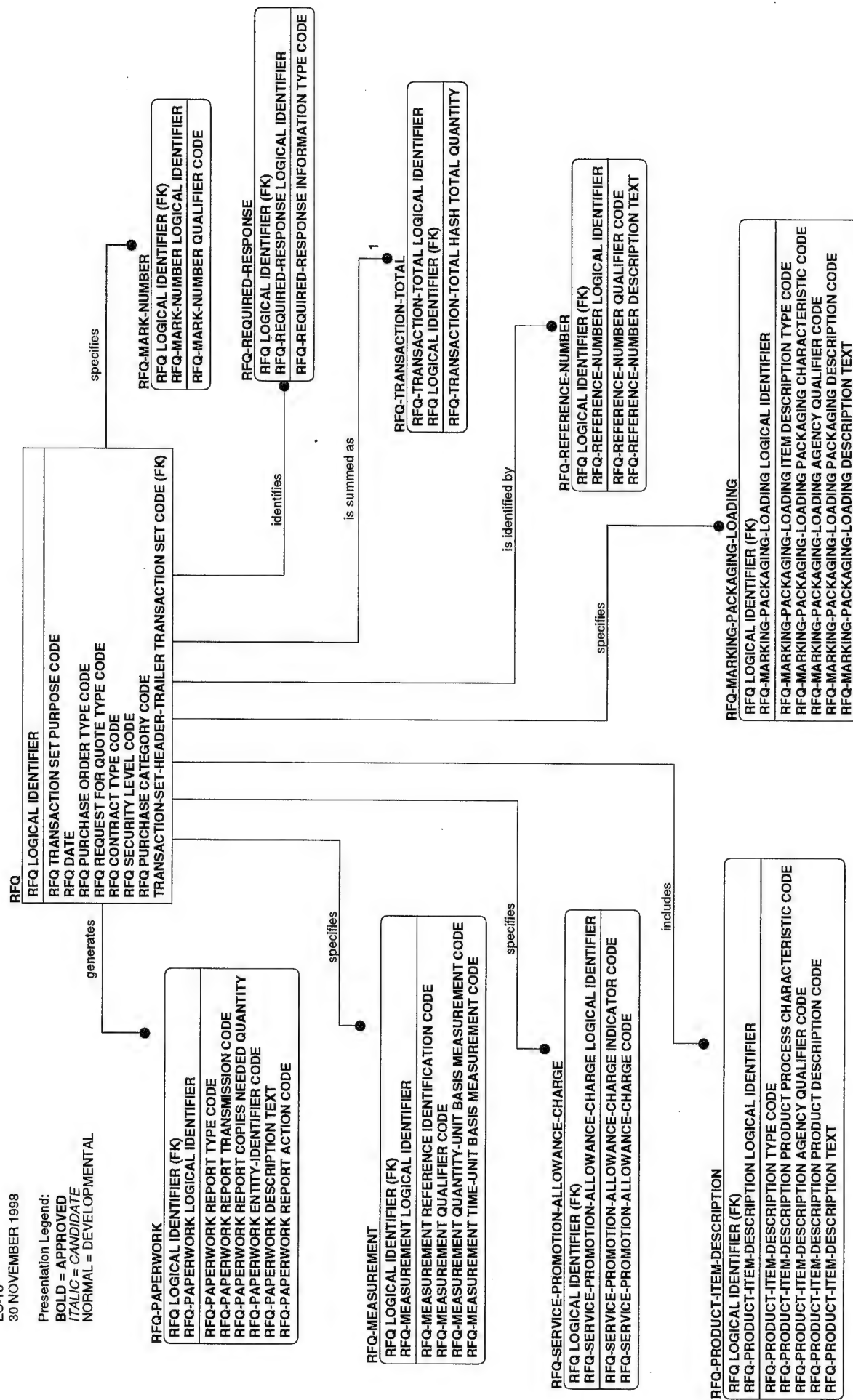
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE
AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

ES-17

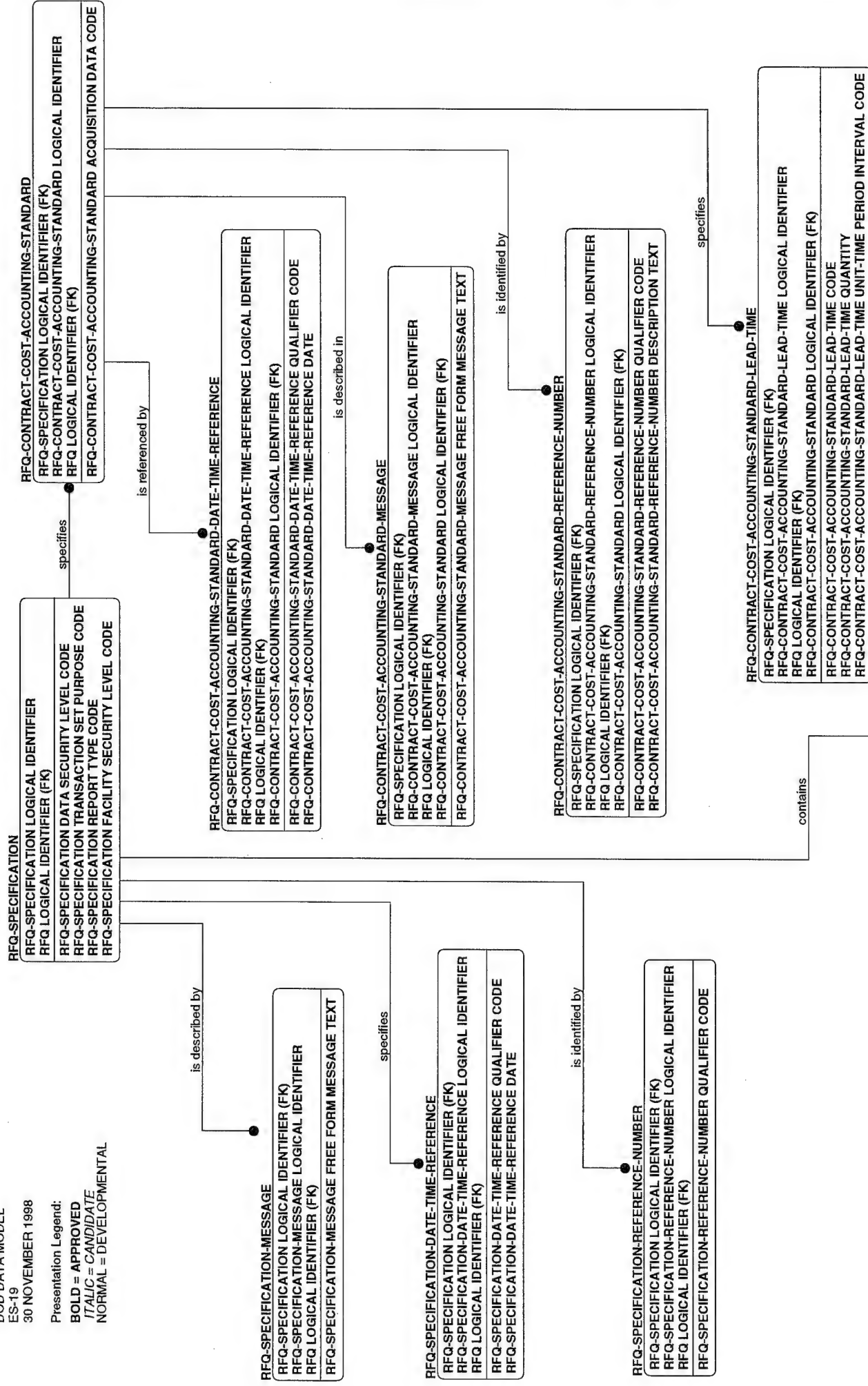
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL



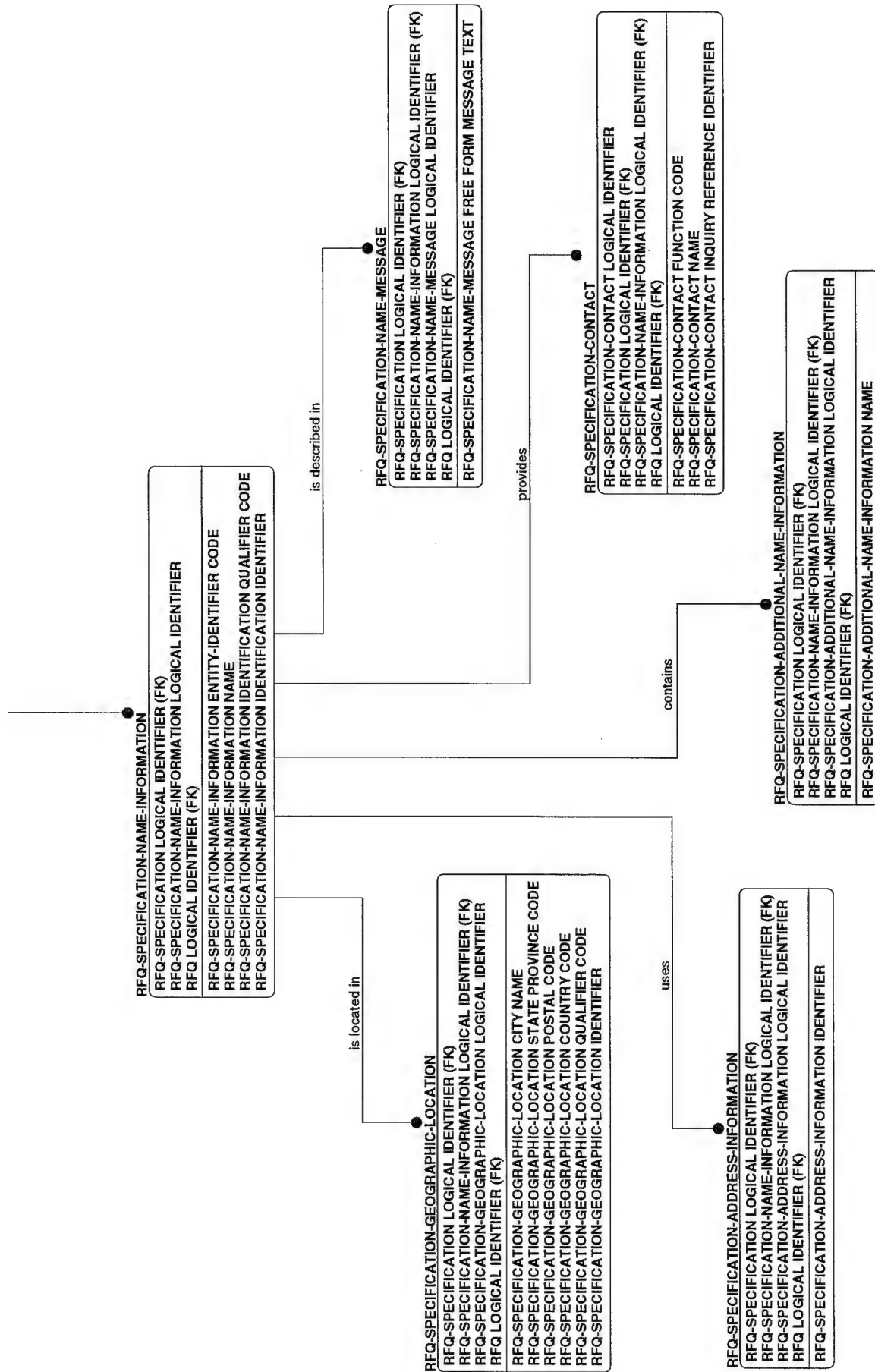
ES-18



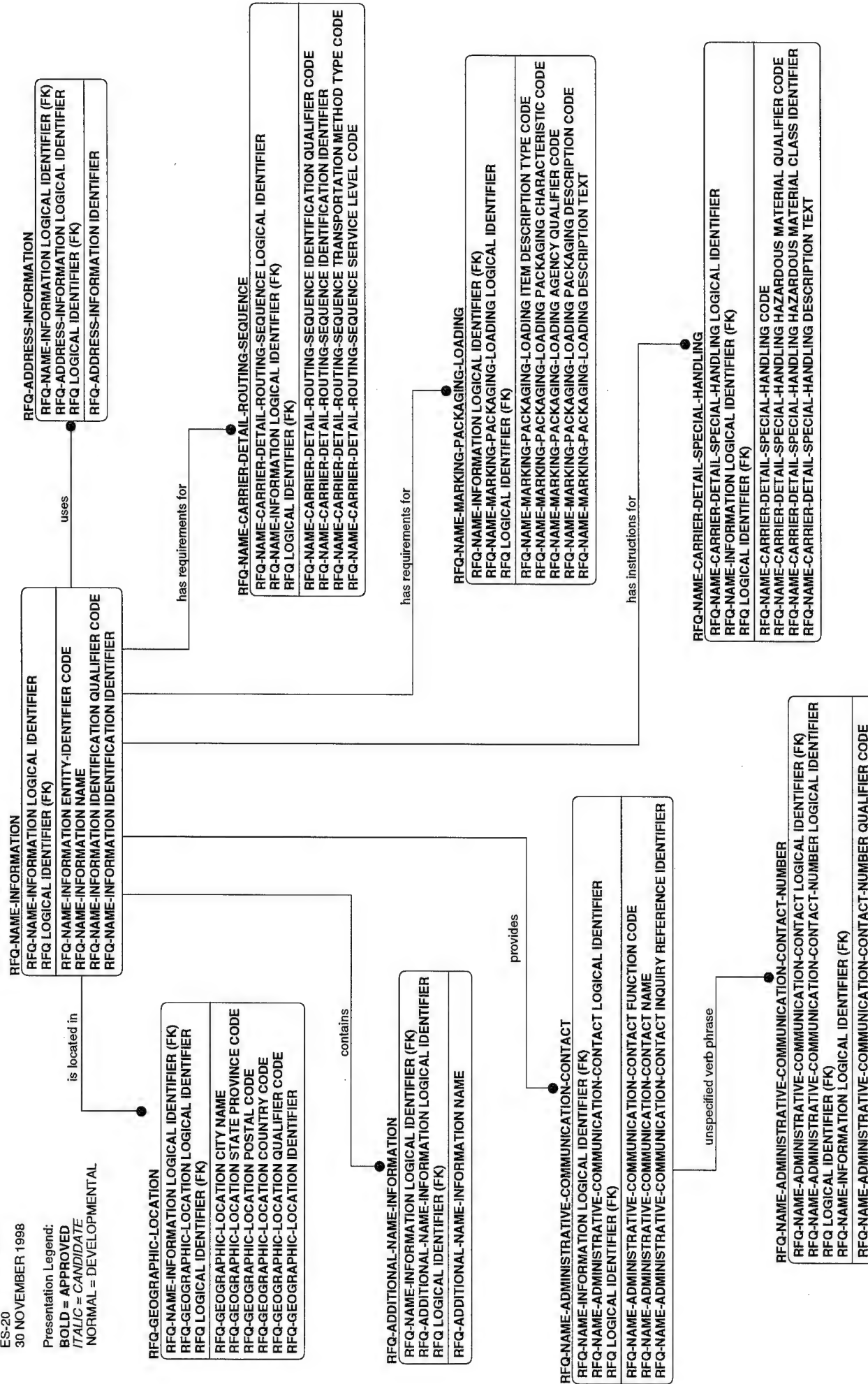
ES-19







ES-20



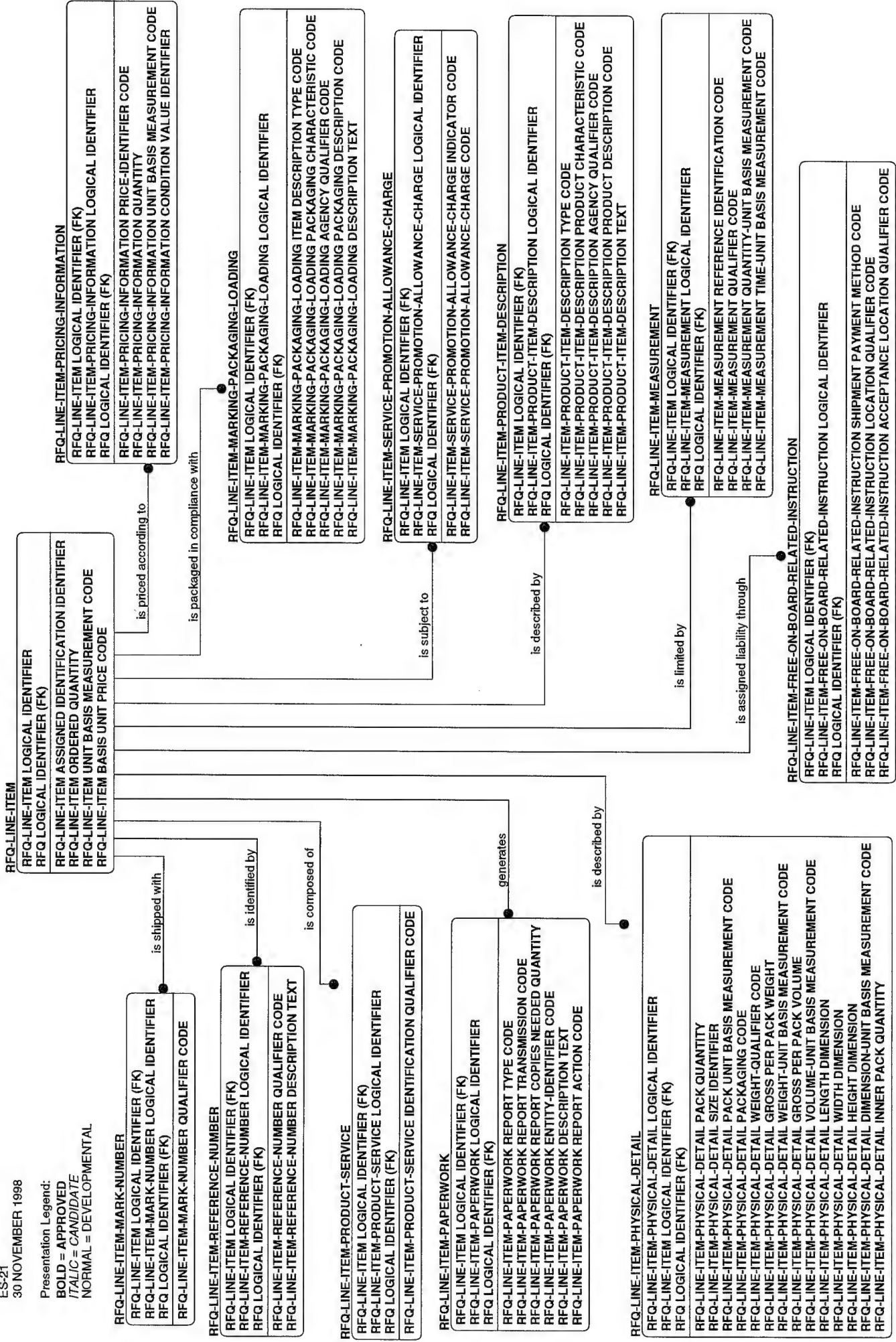
ES-21

Presentation Legend:

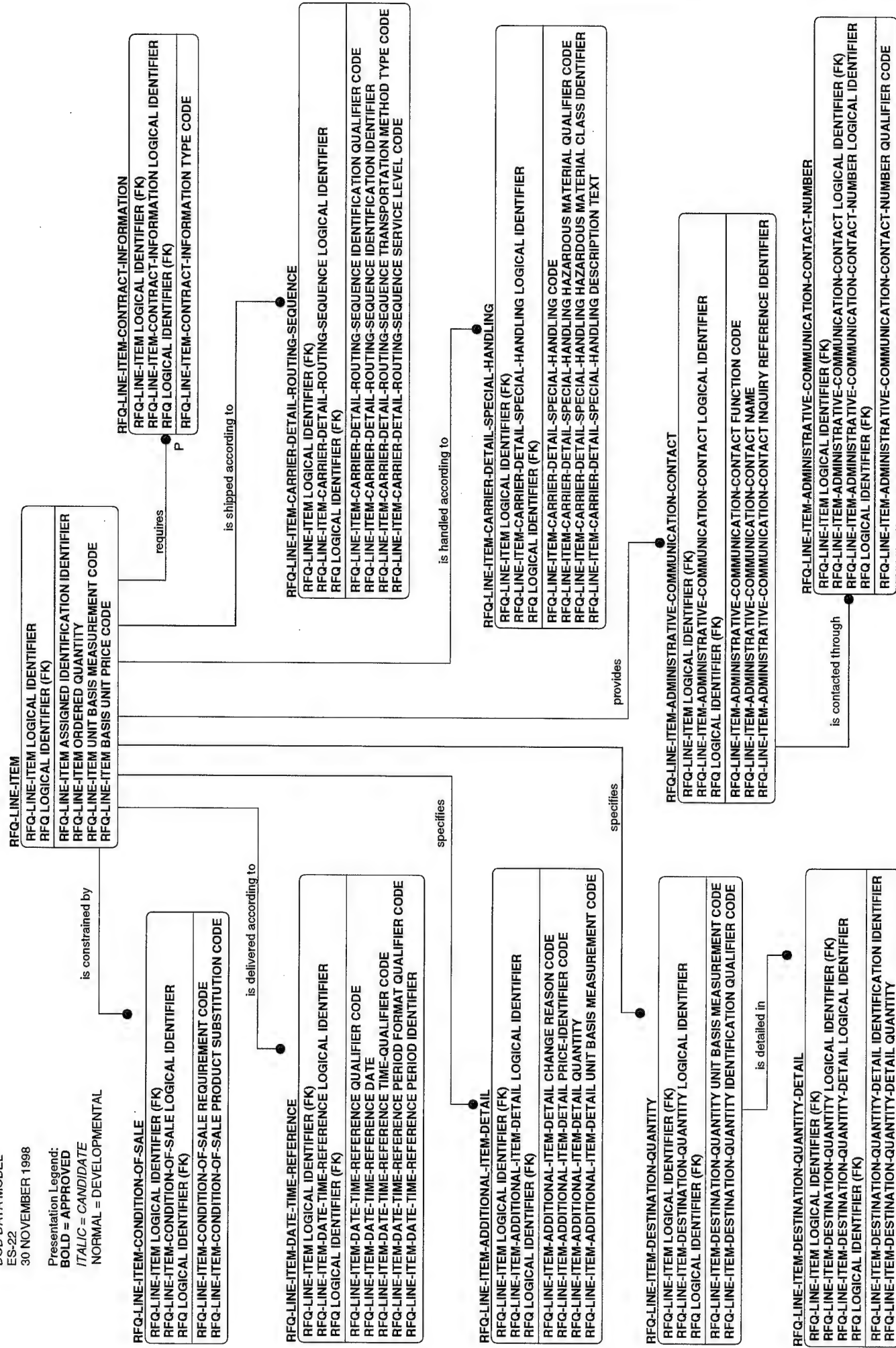
BOLD = APPROVED

ITALIC = CANDIDATE

NORMAL = DEVELOPMENTAL

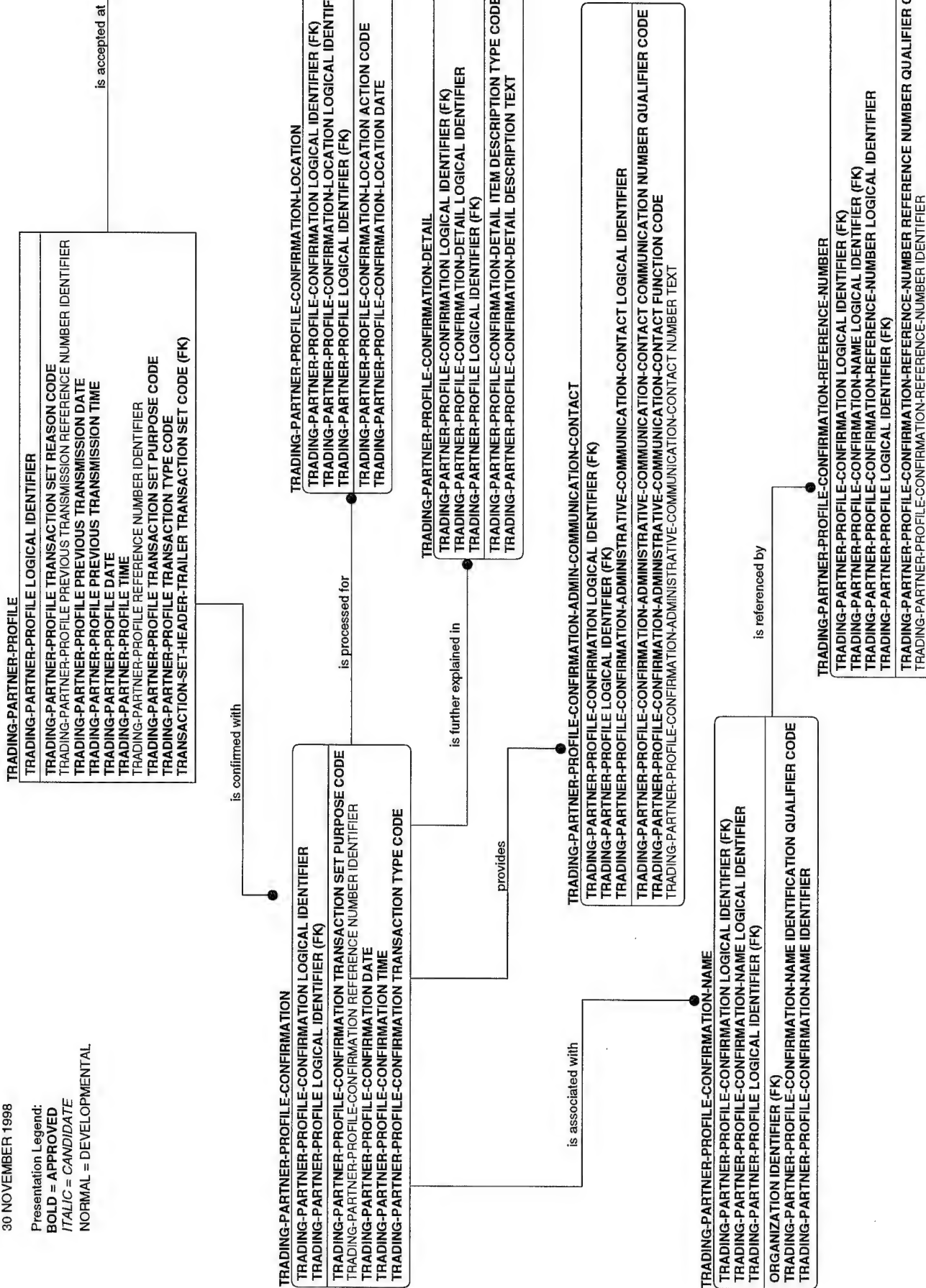


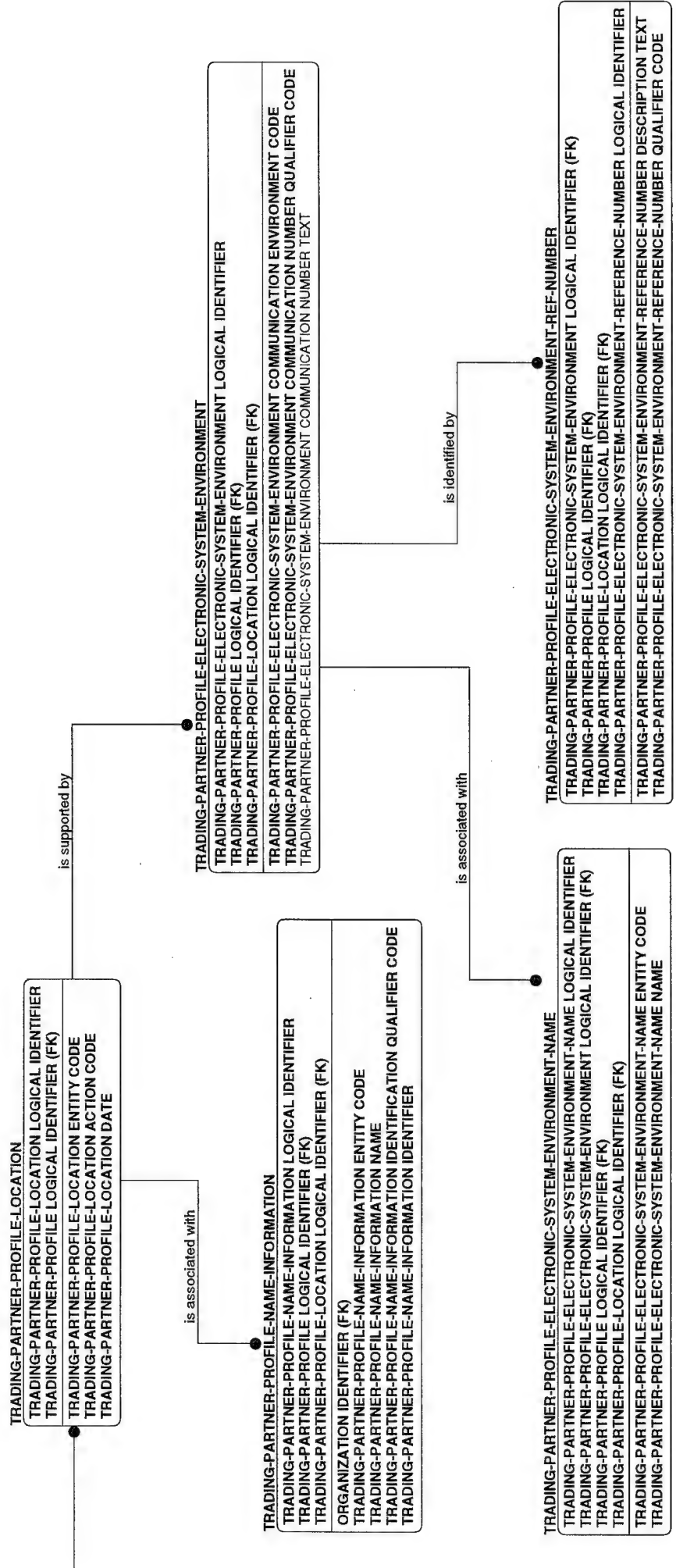
ES-22



ES-23







ES-24

# DOD DATA MODEL

ES-24

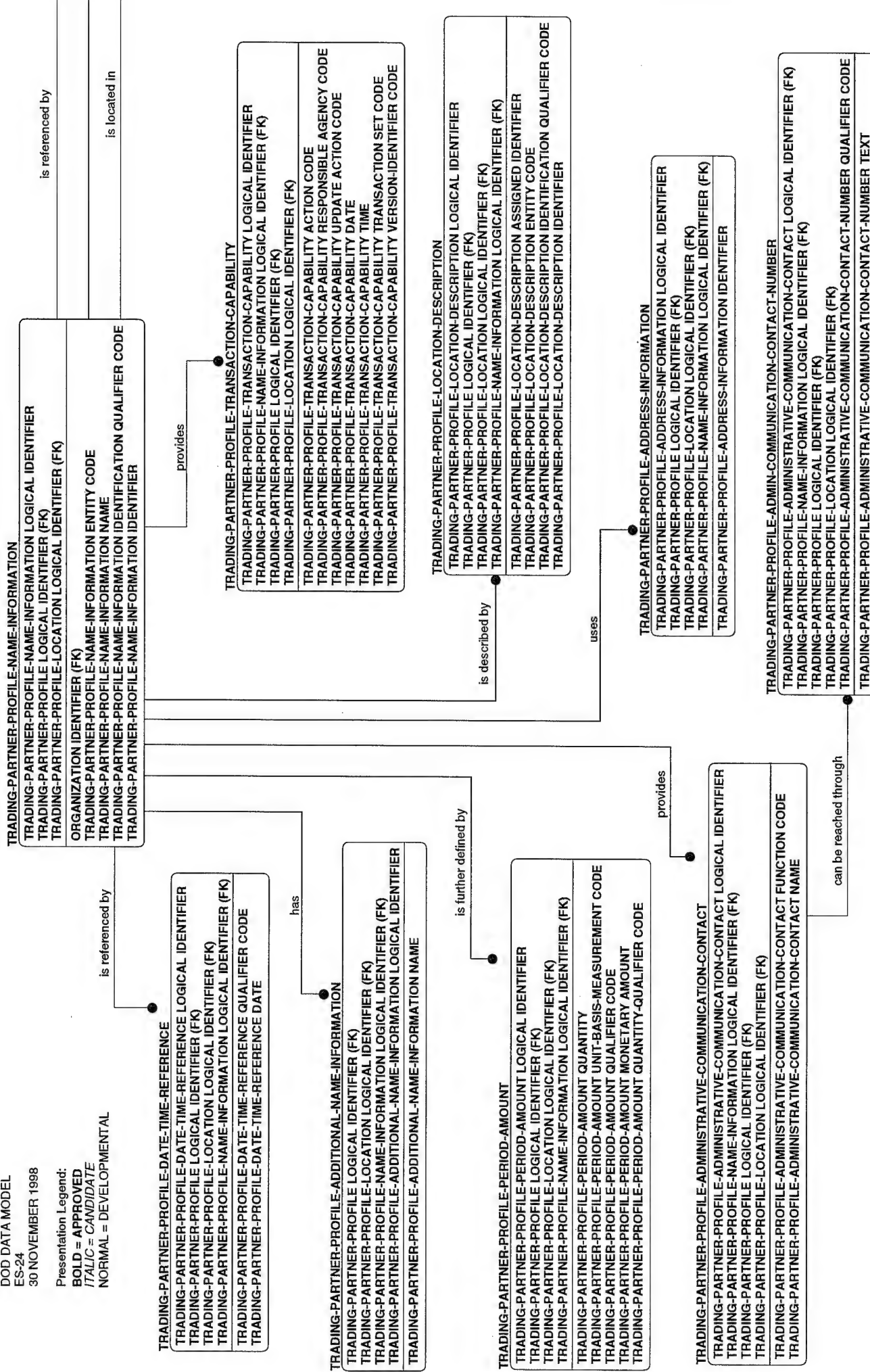
30 NOVEMBER 1998

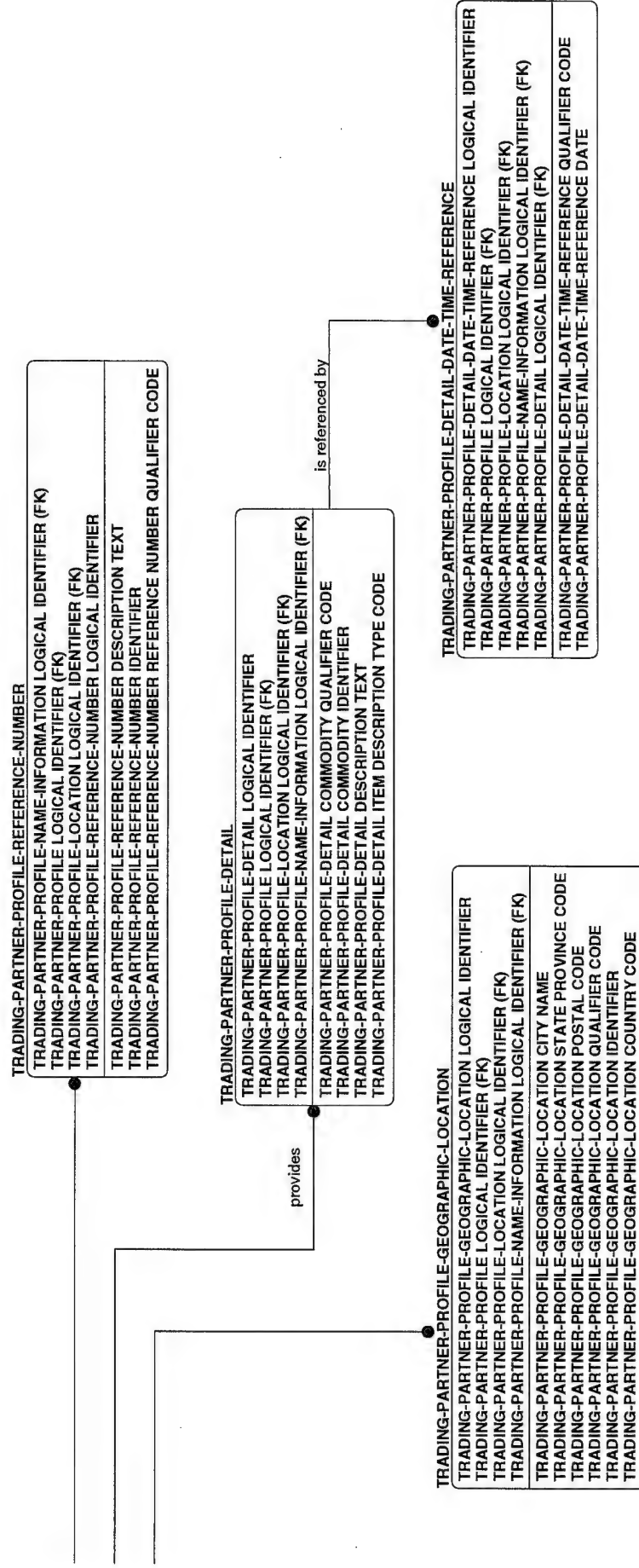
Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

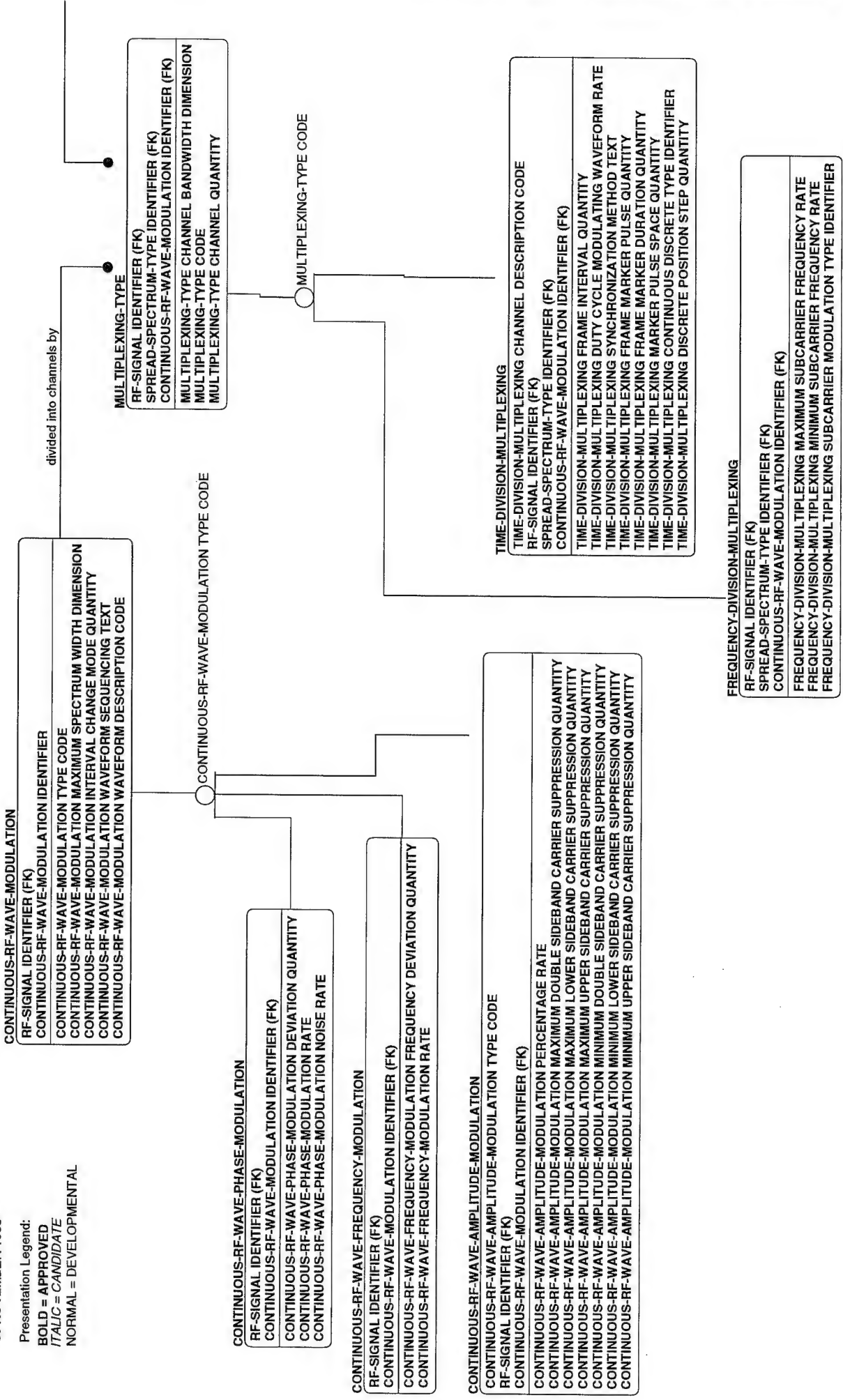
NORMAL = DEVELOPMENTAL

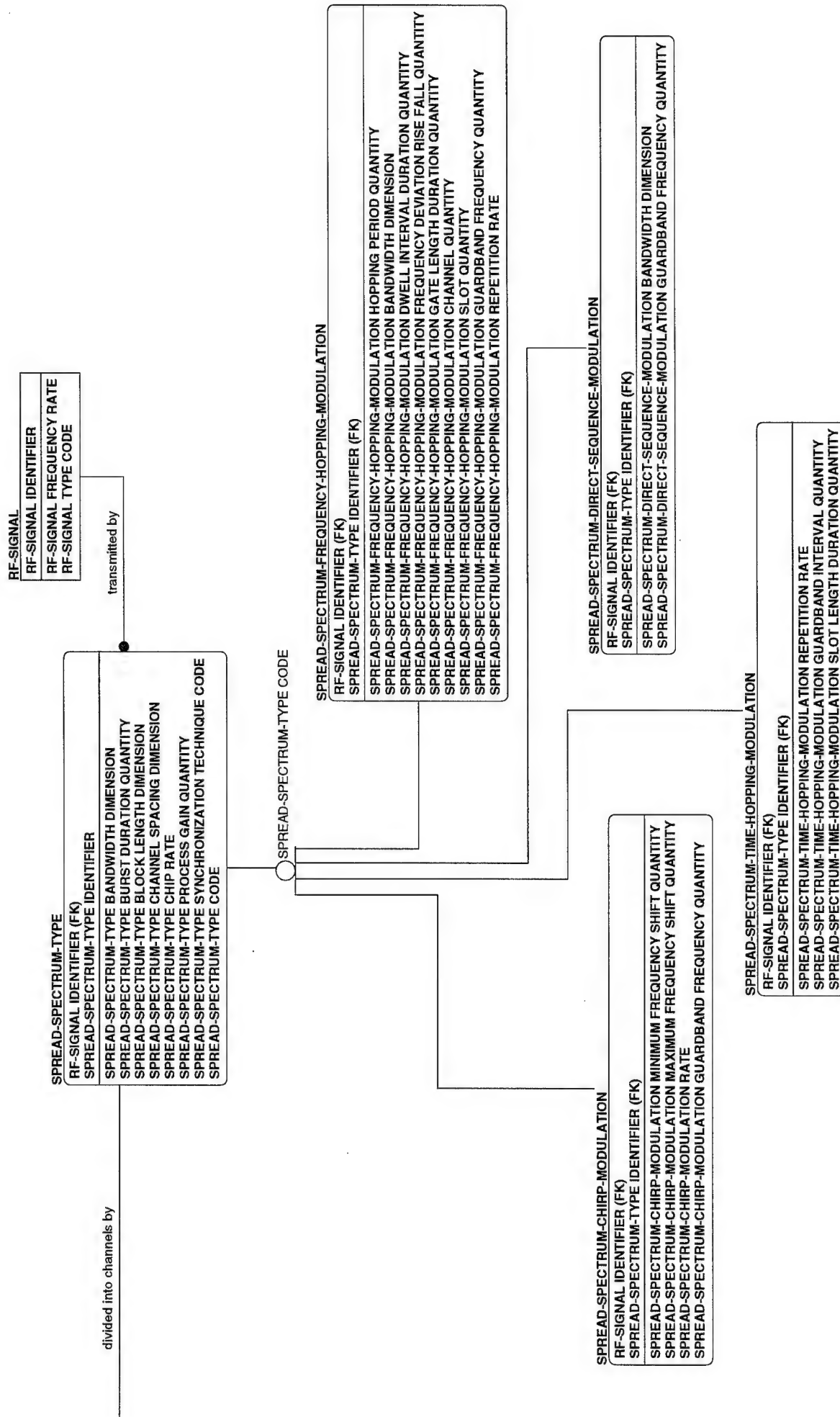




ES-25

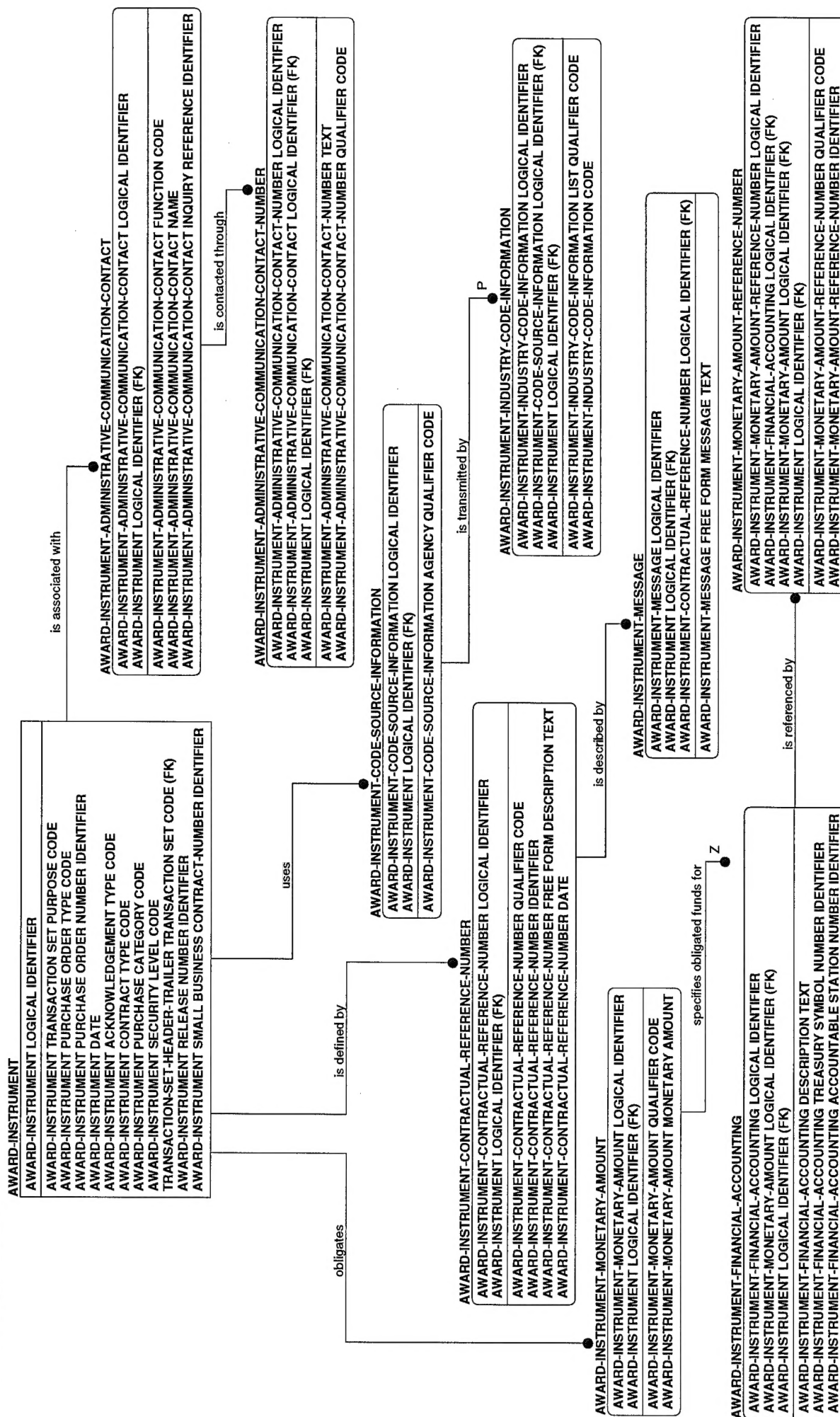
Presentation Legend:  
**BOLD** = APPROVED  
*ITALIC* = CANDIDATE  
NORMAL = DEVELOPMENTAL







ES-26



ES-27

DOD DATA MODEL  
ES-27

30 NOVEMBER 1998

Presentation Legend:

**BOLD = APPROVED**

*ITALIC = CANDIDATE*

NORMAL = DEVELOPMENTAL

